

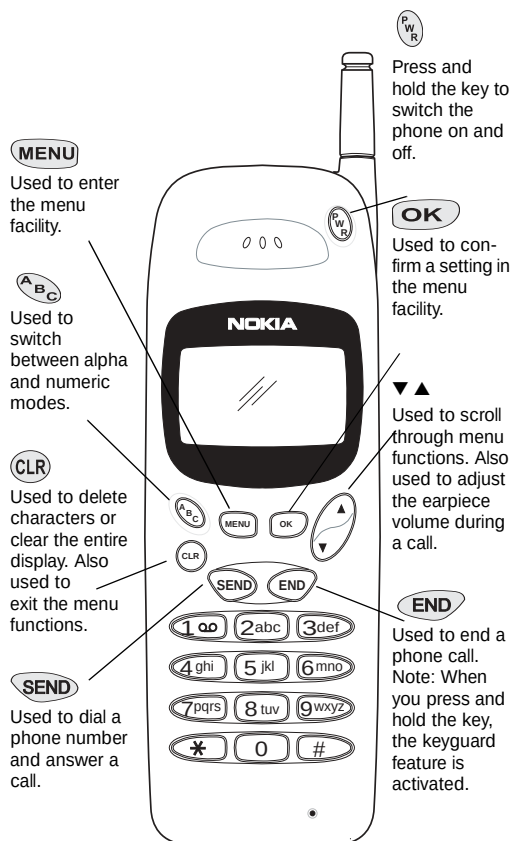
NOKIA® 918



Owner's Manual

NOKIA
CONNECTING PEOPLE

Description of Keys



Quick Guide



Making a call	Key in the area code and phone number and press the SEND key
Receiving a call	Press any key except the POWER key
Switching on/off	Press and hold the POWER key
Activate Keyguard	Press and hold the END key or Press MENU then *
Deactivate Keyguard	Press MENU then *
Activate PINCALL	Key in * # P I N C A L L # then enter PIN Code and then press the OK key
Deactivate PINCALL	Key in * # P I N C A L L # then press the OK key
Adjust Volume	Press to ▲ increase and ▼ to decrease the volume (in a call)
Calling Card Call	Enter destination phone number and press and hold the SEND key for more than 1 second
Clear a digit	Press the CLR key
Clear display	Press and hold the CLR key
Ending a Call	Press the END key
Last number redial	Ensure the display is clear and press SEND SEND
Last 5 dialed numbers	Ensure the display is clear and press SEND . Press ▼ to view dialed numbers. Press SEND to dial

Memory Functions

9 Key Emergency Call	Press and hold the 9 wxyz key for more than 4 seconds (Note: Emergency dialing menu must be set to on)
One-Touch dialing	Press and hold the 1 ao key for a few seconds (Note: One-Touch dialing menu must be set to on)
Storing a number	Ensure the display is clear, enter area code and number. Press the A B C key to enter a name. Press and hold the OK key
Search for a name	With a clear display, press the A B C key then ▼

Search for a number Press ▼ key to scroll through stored numbers

Speed dialing Press a location number (1-40) and then **SEND**

The Menu Facility

Enter menu facility Press the **MENU** key

Enter function Press the **OK** key

Exit menu facility Press the **CLR** key

Menu shortcut
(For Menus 1-9) Press the **MENU** key and then the Menu number

Scroll Press ▼ to scroll forward and ▲ to scroll backward

Select option Press the **OK** key

To Activate Calling Card, (Menu 14)

Card Type	Includes these cards	Uses this U.S.A. access number
A	Sprint MCI SNET	1-800-877-8000 1-800-950-1022 1-800-555-5321
B	MCI MCI GTE	1-800-888-8000 1-800-674-0700 1-800-225-5483
C	AT&T Sprint PacTel	1-800-225-5288 1-800-277-7468 1-800-522-2020
D	AT&T10 Sprint Ameritech	10288 10333 (press OK at ACCESS NUMBER? prompt)

Contents

For Your Safety	1
Making Calls	2
Emergency Calls	2
Regulations	2
Battery and Signal	3
To Install the Battery	3
To Remove the Battery	3
To Charge the Battery	4
To Discharge the Battery	5
Important Battery Information	6
Signal Strength Indication	7
The Basics	8
Switching On/Off	8
Making a Call	8
Ending a Call	9
Answering a Call	9
Adjusting the Earpiece Volume	10
Last Number Redial	10
Speed Dialing	10
1 Touch Dialing	11
9 Key Emergency Dialing	11
Keyguard	11
Calling Card Call	12
PIN Call	13
The Phone Directory	15
Alpha Mode	15
To Store Numbers and Names	16
To Erase Stored Names and Numbers	19
To Recall Stored Numbers	20
To Recall Stored Names	20
Dialed Calls Memory	20

The Menu	22
Accessing Menus by Number	22
List of Menu Functions	23
Menu 1, Store To Memory	24
Menu 2, Find Name	24
Menu 3, Erase Name	24
Menu 4, Restrict Calls	24
Menu 5, System Select	25
Menu 6, Call Timers	27
Menu 7, Lights	28
Menu 8, Keypad Tones	29
Menu 9, Ringing Volume	29
Menu 10, Ringing Type	30
Menu 11, Emergency Key 9	30
Menu 12, 1 Touch Dialing	31
Menu 13, NAM Select	31
Menu 14, Calling Card	32
Menu 15, Change Lockcode	34
Menu 16, SID Screen	34
Additional Features	36
Sending DTMF ("Touch") Tones	36
Call Waiting	37
Accessories	39
Reference Information	50
Important Safety Information	50
Care and Maintenance	53
Troubleshooting	54
Technical Information	55

1. For Your Safety



Read these simple guidelines before using your phone. Failure to comply with these guidelines may be dangerous or illegal.

For more detailed safety information, see Important Safety Information on page 50.



Road Safety Comes First

Don't use a hand-held phone while driving; park the vehicle first.



Switch Off In Hospitals

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



Switch Off On Aircraft

Mobile phones can cause interference. Using them on aircraft is illegal.



Switch Off When Refueling

Do not use the phone at a refueling point. Do not use near fuels or chemicals.



Switch Off Near Blasting

Do not use the phone where a blasting operation is in progress. Observe restrictions, and follow any regulations or rules in force.



Use Sensibly

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



Interference

All mobile phones may be subject to radio interference, which may affect the performance of the phone. Therefore, you should never rely solely upon any cellular phone for essential communications (e.g., medical emergencies).



Qualified Service

Only qualified service personnel may install or repair cellular phone equipment. Use only approved accessories and batteries.

Making Calls

- 1) Switch the phone on and make sure it is in service.
- 2) Enter the phone number including area code then press **SEND**. To end a call press **END**. To answer a call press **SEND**.

Emergency Calls

- 1) Switch the phone on. Make sure it is on and in service.
- 2) Press and hold **CLR** to clear the display. Enter the emergency number (e.g. 911) and press **SEND**. Give your location. Do not end the call until given permission to do so.

See "9 Key Emergency Dialing" on page 11.

Regulations

FCC/Industry Canada Notice

A cellular phone may cause TV or radio interference (e.g., when using a phone in close proximity to electronic receiving equipment). The FCC/Industry Canada can require you to stop using your cellular phone if such interference cannot be eliminated. If you require assistance, please contact your local service facility.

This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

The cellular phone described in this guide is approved for use in AMPS networks.

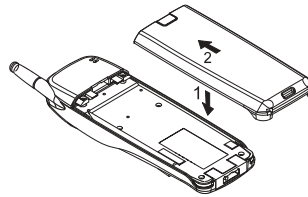
2. Battery and Signal

Your phone is powered by a rechargeable battery. Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. See "Important Battery Information" on page 6.

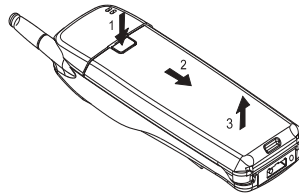


A new battery must be fully charged before being used for the first time. A new battery's full performance is achieved only after two or three complete charge and discharge cycles!

To Install the Battery



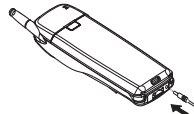
To Remove the Battery



Switch off the power before removing the battery.

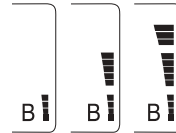
To Charge the Battery

Plug the charger into a standard AC wall outlet then connect the connector to the bottom of your phone.



When charging starts the battery segments scroll and the phone beeps once.

You can use the phone during the charging, but the charging will be reduced for the duration of the call. Note that if the battery is completely empty and you are using the Standard Travel Charger



(ACH-8U), you can't use the phone until it has enough charge to operate.

After the segments of the battery indicator bar stop scrolling and the bar is entirely displayed, the battery is charged.



If the battery is too hot or cold, the charging may be interrupted.

Charging Times

The battery charging times below are approximate.

Battery	Standard Charger (ACH-8U)	Rapid Charger (ACH-6U)
Slim 600 mAh NiMH (BMT-1L)	5 hours	60 minutes
Extended 800 mAh NiCd (BKL-2S)	6 hours	90 minutes

Talk and Standby Times

Battery operation times depend greatly on how you use the batteries, as well as on the coverage of the network and network parameters set by the cellular service provider.

Battery	Talk Time	Standby Time
Slim 600 mAh NiMH (BMT-1L)	1 hour 15 minutes	15 hours
Extended 800 mAh NiCd (BKL-2S)	1 hour 40 minutes	21 hours

To Discharge the Battery

A battery lasts longer and performs better if you fully discharge it from time to time!

To discharge the battery, either leave your phone switched on until it turns itself off or use the battery discharge feature of any approved accessory available for your phone.

Note: Do not attempt to discharge the battery by any other means.

Battery Low

You get this message and a warning tone when the battery charge is low and only a few minutes of talk time remain.



When the battery charge is too low for the phone to operate, RECHARGE BATTERY is displayed and a warning tone is given. After about 10 seconds, the phone automatically switches itself off.

Note: If Silent Service has been selected, no audible warning tones are given.

Charge the battery as described earlier in this section.

Important Battery Information

- Use only batteries and chargers approved by the phone manufacturer.
- When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for longer than a week; overcharging may shorten its life.
- If left unused, a fully charged battery will discharge itself in about a week at room temperature.
- Never use any charger or battery that is damaged or worn out.
- Use the battery only for its intended purpose.
- Do not short circuit the battery. Accidental short circuiting can occur when a metallic object (e.g. coin, clip, or pen) causes direct connection of the + and - terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in your pocket or purse. Short circuiting the terminal may damage the battery or the connecting object.
- Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, reduces the capacity and lifetime of the battery. Always try to keep the battery between 59°F and 77°F (15°C and 25°C). A phone with a hot or cold battery may temporarily not work (or charge) even if the battery is fully charged. NiMH battery performance is particularly limited in temperatures below 14°F (-10°C).
- Temperature extremes affect the ability of your battery to charge: it may require cooling or warming first.
- When the battery is not in use, store it uncharged in a cool, dark and dry place.
- The battery is a sealed unit with no serviceable parts. Do not attempt to open the case.
- It is recommended that you allow your battery to fully discharge before you recharge it.

- The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time is noticeably shorter than normal, it is time to buy a new battery.
- Do not dispose of a battery in a fire!
- Dispose of used batteries in accordance with local regulations. Recycle!



Nickel Cadmium and Nickel Metal Hydride batteries must be recycled or disposed of properly. Must not be disposed of in municipal waste.

Signal Strength Indication

A cellular phone sends and receives radio signals. As with all radio equipment, the quality of radio reception depends on the strength of the radio signal in the area where you are operating your phone.

The strength of the cellular signal is shown by the vertical bar on the left-hand side of the display. The higher the bar, the stronger the signal is where you are operating your phone.

When **NO SVC** is displayed, the phone is outside of the cellular service area and calls cannot be made or received.

If the signal is poor and you are using the phone in a building, you may get better reception near a window.



3. The Basics

Switching On/Off

- Press and hold the power key for one second to switch the phone on or off.



If your phone has an extendable antenna, extend the antenna fully. As with any other radio transmitting device, avoid unnecessary contact with the antenna when the phone is switched on.

IMPORTANT! Do not switch on the phone when cellular phone use is prohibited or when it may cause interference or danger.

Making a Call

- Enter the **area code + number** then **SEND**.

If the **PIN CALL** is set to on, press **SEND** again after the tone. See "To Activate PIN Call" on page 13 for details.

Check with your operator to see if you must enter the area code.

If you make a mistake dialing, press **CLR** to erase digits one by one. Press and hold **CLR** to clear the whole display.

NO SERVICE appears and a beep is given if you try to make a call when your phone is outside of the cellular service area.

NOT ALLOWED appears if you try to make a restricted call.

PRESS MENU appears if keyguard is on.

IN USE and the dialed phone number will appear on the display. The call is connected when the phone number disappears from the display.



Ending a Call

- Press **END**.

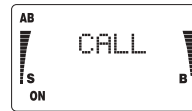
*Note: If you press and hold **END**, keyguard is activated.*

Answering a Call

- Press **SEND** or any key except the power key.

*Note: If keyguard is active, a call can only be answered with **SEND**.*

When there is an incoming call, the phone rings and **CALL** flashes on the display. If you have set Ringing Volume to **SILENT SERVICE**, the keypad



and display lights flash, **CALL** flashes on the display and the phone makes a short beep. You can answer a call any time, even while using the keyguard, memory or menu functions.

If you don't answer a call, the message 1 **CALL MISSED** or n **CALLS MISSED** will remain on the display until you press any key (except the on/off key) to clear the display.

Adjusting the Earpiece Volume

- During a call, press ▼ or ▲ to decrease or increase the earpiece volume level. The display must be clear.



Note: The ▼ and ▲ keys scroll through memory and the menu when not in a call.

Last Number Redial

- Clear the display then press **SEND** **SEND**.

Last 5 Dialed Numbers

- Clear the display then press **SEND**. Press ▼ until you see the number you want. Then press **SEND** to dial it.

The phone stores the last five phone numbers you called or attempted to call. This stack of the five last dialed numbers remains in the phone's memory when the phone is switched off.

If the stack of the last dialed numbers is empty, the message `LOCATION EMPTY` will be displayed.

See also "Dialed Calls Memory" on page 20.

Speed Dialing

- Press a location number (1-40) then **SEND**.

The phone recalls the number stored in the corresponding location number in your phone directory (see "The Phone Directory" on page 15), displays it briefly, then dials it. If the memory location is empty, the message `LOCATION EMPTY` is displayed.

1 Touch Dialing

- Hold  for a few seconds.

The phone dials the number stored in location 1 of your phone directory (see “The Phone Directory” on page 15) if 1 TOUCH DIALING is set to on (1 TOUCH ON).

To store the number in the phone directory location 1, see “To Store Numbers and Names” on page 16.

9 Key Emergency Dialing

- Press and hold  for more than 4 seconds.

The phone dials the emergency number programmed into your phone and displays the message EMERG. CALL TRY if Emergency Key 9 is set to on (EMERG. 9 ON).

Note: Official emergency numbers vary by location (e.g., 911 or another official emergency number). However, only one emergency number is programmed into your phone to be dialed automatically by one-touch emergency dialing, which may not be the proper number in all circumstances.

Note: 9 Key Emergency Dialing does not operate when the Keyguard feature is activated. However, an emergency call can be made without deactivating the Keyguard by entering the whole emergency number programmed into your phone and then pressing .

Keyguard

- Press and hold  to activate Keyguard.
- Press  then  to deactivate Keyguard. You can also activate Keyguard this way.

Keyguard locks the phone's keypad to prevent accidental keypresses (e.g. when the phone is in a pocket or a bag).

KEYGUARD ACTIVE remains on the display until keyguard is deactivated.

Answering a call with Keyguard active

- Press **SEND**.

During the call, the keypad remains unlocked and the phone can be used normally. After the call is ended, keyguard automatically becomes active again.

The phone cannot be switched off when keyguard is active.

Note: When keyguard is activated, calls may be possible to the emergency number programmed into your phone (e.g., 911 or another official emergency number). However, one-touch 9-key emergency dialing (the 9 key) does not operate.

To make an emergency call with keyguard active

- Enter the emergency number preprogrammed into your phone (e.g. 911) and press **SEND**.

The emergency number is displayed only after you have entered the last digit of the number.

The phone dials the emergency number programmed into the phone and displays the message EMERG. CALL TRY.

Calling Card Call

When making a call, the call charges can be directed to a selected long distance carrier, if the card number is sent to the network during the call setup. Before making an automatic calling card call, you have to activate one

of the calling card options from the menu function CALLING CARD.

To make a calling card call

- 1) Enter the area code and phone number in the format required by your specific calling card (i.e. 0, area code, phone number).
- 2) Press and hold **SEND** for more than one second.

Note: If no calling card is activated, the phone will make a normal call to the phone number entered.

CARD CALL remains on the display until the access number has been sent to the network. The phone asks you to WAIT FOR PROMPT.

- 3) After the tone or voice prompt, press **SEND**.

CARD CALL remains on the display; the phone asks you to again WAIT FOR PROMPT.

- 4) If you get another tone or voice prompt, press **SEND** again.

Note: This procedure may not apply to all calling card options programmed into your phone. Please look at the back of your calling card or contact your long distance company for more information.

PIN Call

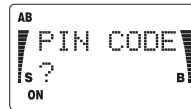
You can activate or deactivate PIN Call, a security feature that requires a PIN Code every time you make a call.

Note: If you are using the phone in an area that doesn't require PIN dialing, deactivate PIN Call.

To Activate PIN Call

- 1) Enter ***#7462255#** (spells PINCALL).

- 2) The phone asks for your four-digit PIN Code. Enter your PIN code and press **OK**.



The phone briefly displays PIN CALL ON.

Making a Call with PIN Call On

- 1) Make the call as usual (see "Making a Call" on page 8).

The phone displays PIN CALL.

- 2) After you hear a tone, press **SEND** again.

Wait for your call to be connected.

*Note: If you're in a network that doesn't support PIN Calls, but your phone has PIN Call On, the phone tries to send a PIN anyway. To stop this, make the call as usual, then press **CLR** to end the PIN Call attempt.*

To Deactivate PIN Call

- 1) Enter ***#7462255#**.

The phone asks for your four-digit PIN Code.

- 2) Don't enter your PIN Code, just press **OK**.

The phone briefly displays PIN CALL OFF.

Note: When the phone is set to PIN CALL ON, an emergency call to the emergency number programmed into your phone (e.g., 911 or another official emergency number) will be dialed as a normal call without the PIN code request.

4. The Phone Directory

Your phone can store:

- up to 40 names and numbers in its directory
- one additional number in a “notepad”, which is erased whenever you switch off the phone
- the last five numbers you’ve dialed

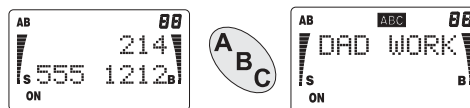
Memory Location	Number of Characters	Number of Digits
1	16	32
2-21	16	16
22-40	16	32

See “Memory Location 40” on page 18 for an important note about Memory Location 40.

Note: If you try to store a digit string greater than 16 characters in a short memory location (locations 2-21), the message DIGITS MAX = 16 is briefly displayed and the phone exits the store function. The string you tried to store will reappear on the display and you can store it in a long memory location.

Alpha Mode

To enter names, retrieve numbers based on names, and view names, press . The phone displays **ABC** to indicate that you can use keys to enter letters, and that you are viewing names rather than numbers.



When a name is displayed you can also press  to see the associated number.

To Enter Letters

Put the phone in Alpha mode by pressing . You can then enter letters. The table on the next page shows the characters you can enter while the phone is in Alpha mode.

To correct mistakes, press **CLR** or press and hold **CLR** to clear the whole display.

Key	One press	Two presses	Three presses	Four presses
1	-	&	.	:
2	A	B	C	
3	D	E	F	
4	G	H	I	
5	J	K	L	
6	M	N	O	
7	P	Q	R	S
8	T	U	V	
9	W	X	Y	Z
*	Enter another letter from the same key without waiting for the cursor to move to the next space.			
#	Space between letters			

The identical name may be used only once in memory.
REPLACE NAME? appears when you try to store a name already in memory.

To Store Numbers and Names

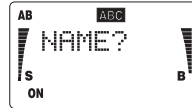
Quick Store

- 1) Clear the display, then enter the area code and phone number.
- 2) (Optional:) Press **A B C** then enter the name.
- 3) Press and hold **OK**.

The phone stores the number in the first empty memory location. If there aren't any empty spaces you get the message **NO SPACE**.

Menu Method

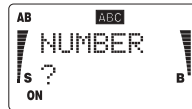
- 1) Press **MENU** **▼** **OK**.
The phone prompts you for a name:



- 2) Enter a name then press **OK**. If you don't want to store a name, just press **OK** at the prompt.

The phone prompts you for a number:

- 3) Enter the area code and phone number then **OK**.



The phone prompts you to store the number in the first available memory location:



- 4) Press **OK** or enter the location number where you want the number to be stored then press **OK**.

*Note: To store the number in the "notepad", press **#** at the "STORE TO n?" prompt then press **OK**.*

Notes about Storing Numbers

REPLACE NAME?

This appears if the name is already in use. The phone displays the number (in the upper right hand corner) of the location where it is stored. To replace the information already stored, press **OK**.

STORE TO?

This appears if there is no empty location available. Enter the memory location where you want to store the information (existing content will be overwritten; see next paragraph). Enter a location number and press **OK**.

REPLACE CONTENT?

This prompts you to replace the contents of the selected location. To replace the information, press **OK**.

ALREADY STORED

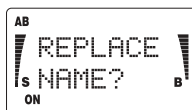
This appears if both the phone number and name are already stored. The phone prompts you to move the information to the first empty memory location (e.g., MOVE TO 5?). Press **OK**, or enter a different location number then press **OK**.

Press **CLR** if STORE, REPLACE or MOVE appears and you do not want to continue.

The phone exits the store function, and the information you tried to store reappears on the display. You can reattempt to store the information in the phone directory memory as described above, or you can clear the display by pressing and holding **CLR**.

To Change the Number Stored with a Name

- 1) Recall the number from memory.
- 2) Use the **CLR** key to erase the current number one digit at a time, then key in the new number.
- 3) Press and hold **OK**.
The phone gives you the prompt shown.
- 4) Press **OK** at the REPLACE NAME? prompt.



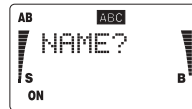
Memory Location 40

Memory Location 40 is special. If you store a number in Memory Location 40 (you would do this in Step 4 of "Menu Method" on page 17), you can make calls to that number even if you turn on the INCOMING ONLY restriction under Menu 4, Restrict Calls. See "Menu 4, Restrict Calls" on page 24.

To Erase Stored Names and Numbers

To Erase by Name

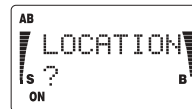
- 1) Press **MENU** **▼▼▼** **OK**. The phone prompts you for a name:
- 2) Press **▼** until you see the name you want to erase. At the ERASE? prompt, either press **OK** to erase or press **CLR** if you change your mind and don't want to erase and you want to quit.



The phone displays ERASED or NOT ERASED.

To Erase by Number

- 1) Press **MENU** **▼▼▼** **OK**. The phone prompts you for a name, as in Step 1 above.
- 2) Press **A B C**, and the phone asks you for a location.
- 3) Press **▼** until you see the number you want to erase, or enter a location number. At the ERASE? prompt, press **OK** or press **CLR** if you change your mind.



The phone displays ERASED or NOT ERASED.

Note: The notepad memory is automatically erased when you switch the phone off.

To Recall Stored Numbers

- With the display clear of numbers, press ▼.

The phone scrolls through stored numbers.

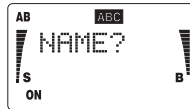
To Recall Stored Names

- With the display clear of numbers or names, press  then ▼. Or, press  then enter the first few letters of the name and press ▼.

The phone scrolls through stored names.

You can also use Menu 2, Find Name:

- 1) Press  ▼ ▼ .
The phone prompts you for a name:
- 2) Key in the name or its first letter(s), or press ▼ until you see the name you want. If you don't enter anything for 5 seconds after NAME? displays, the first stored name will appear. Press  to display the phone number.
- 3) Press  to make a call to the displayed name or phone number.



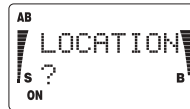
Dialed Calls Memory

The phone automatically stores the five last dialed numbers. A phone number cannot be stored twice in the list. When you dial a number that already exists in the list, the dialed number is moved to the top.

See "Last 5 Dialed Numbers" on page 10 for information on accessing the last 5 dialed numbers.

To Erase the Last 5 Dialed Numbers

- 1) Press **MENU** **▼▼▼** **OK**. The phone prompts you for a name.
- 2) Press **A B C**, and the phone asks you for a location.
- 3) Press 0 then **OK**. The phone asks ARE YOU SURE? Press **OK** or press **CLR** if you change your mind.



If the list is empty, the phone displays LOCATION EMPTY instead of ARE YOU SURE?.

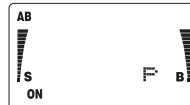
Storing Pause and Wait Characters

You can store a 2.5 second pause (p) or a wait (w) character in a stored number. The reason to do this is for automatic sending of Touch Tones.

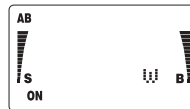
For more information on the use of “pause” and “wait” characters, see “Automatically Sending Touch Tones” on page 36.

When entering the number to be stored (see “To Store Numbers and Names” on page 16),

- 1) To enter a Pause (“p”), press **MENU** **#**.



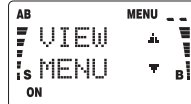
- 2) To enter a Wait (“w”), press **MENU** **#** **#**.



*Note: When storing “w” and “p” characters via storage menu, you must press and hold **OK** after entering these special characters.*

5. The Menu

When you press **MENU**, you get this screen. Press ▼ or ▲ to scroll through the menus. Each menu allows you to see and change specific phone settings.



When you're scrolling through the menus, press **OK** when you see the menu you want.

Use the ▼ or ▲ key to scroll through the setting options of a menu. The current setting is always displayed first. Press **OK** to set the option to the item shown on the screen.

Use **CLR** to exit the menu without changing the settings.

Accessing Menus by Number

The menu functions are numbered. You can get into menus 1 to 9 by pressing **MENU** then the menu number.

Note: Menus 10 to 16 cannot be accessed by using this method.

Once you're in the menu, use the ▼ or ▲ key to scroll through the available settings. The current setting is always displayed first.

Press **OK** to select the displayed setting, or use **CLR** to exit the menus without changing the settings.

List of Menu Functions

1 Store to Memory	9 Ringing Volume
Store information in memory	Select the ringing tone volume level: <i>Ringing High</i> <i>Ringing Low</i> <i>Silent Service</i>
2 Find Name	10 Ringing Type
Recall information from memory	Select ringing types (5 types)
3 Erase Name	11 Emergency Key 9
Erase information from memory	Set the 9 Key Emerg. dialing on/off
4 Restrict Calls	12 1 Touch Dialing
Select call restriction level: <i>Allow All</i> <i>Incoming Only</i> <i>Memory Only</i>	Set the 1 Key one- touch dialing on/off
5 System Select	13 NAM Select
Select the roaming option: <i>Home Type A or B</i> <i>Non-Home Type A or B</i> <i>Home Area</i> <i>Both Systems</i>	View and select your cellular number
6 Call Timers	14 Calling Card
View and reset call timers: <i>Last</i> <i>Total 1</i> <i>Total 2</i> <i>Life</i> <i>Clear Timers</i>	Select and activate a calling card option
7 Lights	15 Change Lockcode
Set the display lights on/off	Change the four-digit lock code
8 Keypad Tones	16 SID Screen
Switch the keypad tones on/off	Set the SID screening on/off
	Keyguard -  *
	Activate/deactivate keyguard
	Pause -  #
	Wait -  ##
	Add a Pause or Wait character to a stored number

Some menu functions described below can be operated in several different ways. Only one alternative is described here, with references to alternative methods.

Menu 1, Store To Memory

You can store names and phone numbers in the phone with this menu. See "Menu Method" on page 17 for details on storing names and numbers with Menu 1.

Menu 2, Find Name

You can find phone numbers and names stored in the phone with this menu. See "To Recall Stored Names" on page 20 for details on finding a name with Menu 2.

Menu 3, Erase Name

You can erase the contents of a memory location by name or memory location number with this menu.

See "To Erase Stored Names and Numbers" on page 19 for details on erasing memory location contents with Menu 3.

Menu 4, Restrict Calls

You can restrict certain types of calls with this menu. You need your four-digit lock code to change any of the settings in this menu.

ALLOW ALL means that there are no restrictions to incoming or outgoing calls.

INCOMING ONLY means that you cannot make outgoing calls; you may only receive calls. However, you can make calls to the number stored in location 40 and to the emergency number preprogrammed into your phone. See "Memory Location 40" on page 18.

MEMORY ONLY means that you can make outgoing calls only to numbers stored in the phone's memory. You can also make calls to the emergency number preprogrammed into your phone.

Note: You can't store any numbers in the phone directory when this setting is INCOMING ONLY or MEMORY ONLY.

To Set the Call Restriction Option

- 1) Press **MENU** ▼▼▼▼ **OK** (Or press **MENU** 4). The phone shows the current call restriction setting.

- 2) Press ▼ until you see the option you want (ALLOW ALL, INCOMING ONLY, or MEMORY ONLY) then press **OK**.
- 3) The phone prompts you to enter the lockcode. Enter it then press **OK**. Note that you can't change any of the settings if you don't know the lockcode!


If you enter the wrong lockcode, the phone displays CODE ERROR and exits the menu.

Note: When calls are restricted, calls may be possible to the emergency number programmed into your phone (e.g., 911 or another official emergency number) including calls by one-touch emergency dialing.

Menu 5, System Select

Note: When the menu function SID SCREEN has been set to SID SCRIN ON and you try to access Menu 5, the phone displays NOT ALLOWED and exits the menu facility.

Your "home" network (that is, the network through which you have cellular service) is either of type "A" or "B". Many areas that provide cellular service have both an A and a B system. The phone shows the selected system type (A or B) in the upper left corner of the display.

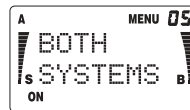


With Menu 5, you tell the phone which system to choose when you roam (that is, try to use your phone in an area other than your "home" network). Your phone must choose which system to use (A or B) so it takes the information from your choice in Menu 5.

Contact your cellular service provider for information about the roaming agreements they have with other cellular service providers.

To Select the Roaming Mode

- 1) Press **MENU** ▼▼▼▼▼▼
OK (Or press **MENU** 5). The phone shows the current System Select setting.



- 2) Press ▼ until you see the option you want (BOTH SYSTEMS, HOME TYPE A or B, NON-HOME TYPE A or B, or HOME AREA) then press **OK**.

BOTH SYSTEMS means that the phone uses both systems A and B. The phone uses its home system when possible and the non-home type system when service is not available in its home type system.

HOME TYPE A (or HOME TYPE B) means that the phone uses only its home type system (A or B). Note that the phone displays HOME TYPE A or HOME TYPE B depending on whether your phone's home system is type A or B.

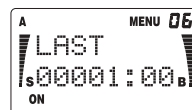
NON-HOME TYPE A (or NON-HOME TYPE B) means the phone uses only the non-home type system (A or B, depending on what your phone's home system type is).

How to Roam

Note: The ESN of your phone is located under the battery of the phone. (However, the ESN of your phone can normally be read over the air by the roaming cellular service providers when you call them to register your roaming presence on their cellular network.)

Menu 6, Call Timers

1) Press **MENU**                                  . (Or press **MENU** 6.)
The phone shows how long you were on the last call in minutes and seconds.



- TOTAL 2 shows the total amount of time you've spent on calls using your optional secondary phone number.

Note: See "Menu 13 NAM Select" on page 23 for more information on primary and optional secondary phone numbers.

LIFE shows the total amount of time you've spent on calls using both of your numbers.

CLEAR TIMERS resets all the timers to zero (except the LIFE timer).

Note: CLEAR TIMERS cannot be undone!

Note: The actual time invoiced for calls by your service provider may vary depending upon network features, rounding-off for billing and so forth.

Menu 7, Lights

The keypad and display of the phone have lights to make them easy to read. This menu allows you to set the phone's lights on or off.

- 1) Press **MENU**           **OK**.
(Or press **MENU** 7.) The phone shows the current setting.
- 2) Press  to LIGHTS ON or LIGHTS OFF then press **OK**.



With Lights On

If the phone is in handportable mode or connected to a charger, the lights come on when you press a key, and stay on for 15 seconds. The lights also come on when the phone rings and stay on for 15 seconds after the phone rings.

When the phone is connected to a handsfree car kit, the lights remain on continuously.

With Lights Off

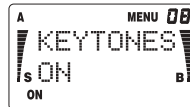
If the phone is in handportable mode or connected to a charger, the lights remain off continuously.

When the phone is connected to a handsfree car kit, the lights come on when you press any key and stay on for 15 seconds. The lights also come on when the phone rings and stay on for 15 seconds after the phone rings.

Menu 8, Keypad Tones

When you press the buttons on your phone, the phone beeps (the sound depends on which key you press). With this menu, you can turn the beeping sounds on or off.

- 1) Press **MENU 8**. The phone shows the current setting.
- 2) Press ▼ to **KEYTONES ON** or **KEYTONES OFF** then press **OK**.



Note: You can still send DTMF tones even when the keypad tones are switched off.

Note: Keypad tones are set off when you choose SILENT SERVICE in Menu 9, Ringing Volume.

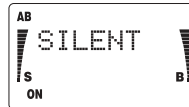
Menu 9, Ringing Volume

With this menu you choose the ringing volume. As you scroll through the options **RINGING HIGH** and **RINGING LOW**, the phone rings so you can hear what each setting sounds like.

- 1) Press **MENU 9**. The phone shows the current setting.
- 2) Press ▼ to **RINGING HIGH**, **RINGING LOW**, or **SILENT SERVICE** then press **OK**.



If you choose **SILENT SERVICE**, the phone won't ring when you have an incoming call. Instead it beeps once, flashes the lights, and displays **CALL**. The phone displays **SILENT** when you aren't in a call and when you aren't using the other functions of the phone. This message is to remind you that the ringing tone is set to off.

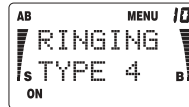


Note: All other tones of the phone, except for the charger connected tone, are also switched off.

Menu 10, Ringing Type

With this menu you choose the ringing type. As you scroll through each of the five options, the phone rings so you can hear what each type sounds like.

- 1) Press **MENU** then press ▼ until you get to **RINGING TYPE** then press **OK**. The phone shows the current setting.



- 2) Press ▼ to hear the types, then press **OK** when you hear the one you want.

Menu 11, Emergency Key 9

This menu lets you set the 9 key one-touch emergency dialing on or off. The default setting for the feature is **EMERG. 9 ON**.

With **EMERG. 9 ON**, your phone dials the emergency number programmed into your phone when you press and hold **9 wxyz**. See "9 Key Emergency Dialing" on page 11.

To set the Emergency Key 9 on or off

- 1) Press **MENU** and press ▼ until you get to EMERGENCY KEY 9 then press **OK**. The phone shows the current setting.
- 2) Press ▼ to EMERG. 9 OFF or EMERG. 9 ON, then press **OK**.



Note: The Emergency Key 9 one-touch dialing operates when calls are restricted, but does not operate when the Keyguard is on.

Menu 12, 1 Touch Dialing

This menu lets you set the 1 Touch Dialing on or off. With 1 TOUCH ON, you can dial the number stored in memory location 1 by pressing and holding **1**.

- 1) Press **MENU** then press ▼ until you get to 1 TOUCH DIALING then press **OK**. The phone shows the current setting.
- 2) Press ▼ to 1 TOUCH OFF or 1 TOUCH ON, then press **OK**.

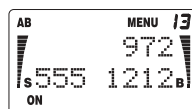


For details on storing numbers in your phone, see "To Store Numbers and Names" on page 16. See also "1 Touch Dialing" on page 11.

Menu 13, NAM Select

Your phone can have two different telephone numbers. Each number is stored in a NAM (Number Assignment Module). This menu lets you choose which telephone number (NAM) to use. Note that in order to have two different telephone numbers, you must subscribe to them through your cellular operator(s).

- 1) Press **MENU** then press ▼ until you get to NAM SELECT then press **OK**. The phone shows the current NAM (phone number).



- 2) Press ▼ to the NAM you want (if there are two available) then press **OK**.

Note: If only one NAM is programmed into your phone, only that number can be selected from this menu.

Note: The phone cannot use both numbers at the same time and you cannot change the number during a call.

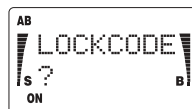
Note: If your phone is set to your first number, you can only receive calls via that number. You may be able to forward calls from your second number to your first number so you don't miss any calls, if this service is available from your network provider. For more information, please contact your cellular service provider.

Menu 14, Calling Card

This menu lets you store calling card information in your phone. You can select the calling card option, or you can select NO CARD. For making an automatic calling card call, see "Calling Card Call" on page 12.

You need to store the calling card information in your phone to use this feature. After you store the information, that option is also the one used when you make Calling Card calls.

- 1) Press **MENU** then press ▼ until you get to CALLING CARD then press **OK**. The phone asks you for your Lockcode.



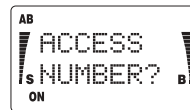
- 2) Enter the Lockcode and press **OK**. The phone displays the currently-selected option or NO CARD.

- 3) Select whether your calling card is Card Type A, B, C, or D (described below).

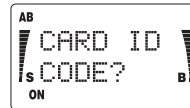
Card Type	Includes these cards	Uses this U.S.A. access number
A	Sprint MCI SNET	1-800-877-8000 1-800-950-1022 1-800-555-5321
B	MCI MCI GTE	1-800-888-8000 1-800-674-0700 1-800-225-5483
C	AT&T Sprint PacTel	1-800-225-5288 1-800-277-7468 1-800-522-2020
D	AT&T10 Sprint Ameritech	10288 10333 (press OK at ACCESS NUMBER? prompt)

Press ▼ to the option you want then press **OK**.
If you select NO CARD, previously stored calling card data is erased and the phone exits the menu facility.

- 4) At ACCESS NUMBER?, enter the telephone number to access your calling card provider then press **OK**.



At CARD ID CODE? enter your card number (including any PIN number) then press **OK**.



When STORED is briefly displayed, the card has been activated, and the previously stored calling card data erased.

*Note: To exit the menu without changing the calling card settings, press and hold **CLR** at the CARD ID CODE? prompt.*

Menu 15, Change Lockcode

This lets you change your phone's four-digit lockcode.

- 1) Press **MENU** then press ▼ until you get to CHANGE LOCKCODE then press **OK**. The phone asks you for your Lockcode.



- 2) Enter the lockcode and press **OK**.

If you enter an incorrect lockcode, the phone displays CODE ERROR and exits the menu.

- 3) The phone asks for a new lockcode. Enter a new code (four numbers) and press **OK**.



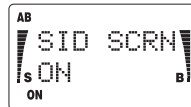
- 4) When the phone prompts you to CONFIRM the new lock code, reenter the numbers you entered in Step 3 then press **OK**.

STORED confirms that the lock code has been changed.

Menu 16, SID Screen

System Identity (SID) screening information can be programmed into your phone by your dealer. SID screening information lists the networks in which the phone can operate. This menu lets you set SID Screening on or off if SID Screening information has been programmed into your phone.

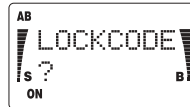
- 1) Press **MENU** ▲ then press **OK**. The phone displays the current setting.



Note: If you try to access this menu and no SID screening information has been programmed into your phone, the phone displays NOT ALLOWED and exits the menu.

- 2) Press ▼ to SID SCRN ON or SID SCRN OFF, then press **OK**.

The phone asks you for your lockcode.



- 3) Enter your lockcode and press **OK**.

Depending on the programmed information, and the actual network availability in the area where you are using the phone, SID Screen On or Off has the effects described below.

SID Screen On

With SID SCRN ON, your phone may be able to select the preferred (e.g., low-cost billing rate) type of network. If service is available only within a non-preferred type of network, the **NO** part of **NO SVC** will flash and only emergency calls to the emergency number programmed into your phone may be possible.

SID Screen Off

With SID SCRN OFF, your phone selects the network according to the system selection setting.

Note: When the phone is set to SID SCRN ON and when within a non-preferred network, only calls to the emergency number programmed into your phone (e.g., 911 or another official emergency number) may be possible.

Note: If SID SCRN is changed from OFF to ON, the system selection (Menu 5) is reset to BOTH SYSTEMS.

6. Additional Features

Sending DTMF (“Touch”) Tones

Your phone is a “Touch Tone” phone. Touch Tones are the sounds your phone makes when you press the keys. Touch Tones can be used for many automated phone services such as checking your bank balance and using voice mailbox options.

Touch Tones are called “DTMF” (Dual Tone Multi Frequency) tones in the phone.

Manually Sending Touch Tones

Pressing the keys during call sends Touch Tones.

- 1) Make a call in the usual way (e.g. to your bank’s computer phone number).
- 2) Manually enter the digits to be sent as DTMF tones (e.g., your bank account number and password).

Automatically Sending Touch Tones

To automatically send Touch Tones, store the DTMF sequence after the access phone number (separated by a “wait” character). Store “waits” or “pauses” between DTMF digits to be sent (a “pause” cannot be stored as the first special character).

For details on storing “pause” and “wait” characters, see “Storing Pause and Wait Characters” on page 21.

Here is an example of a number you could store in your phone. This number contains a phone number (18005551212), a wait character, an access number (“1234”), a wait character, and a password (“3434”).

18005551212w1234w3434

When you recall this number from memory and press , the phone:

- 1) Dials 18005551212 (the stored number), then

- 2) "Waits" for you to press **SEND** again. When you do, the phone sends the numbers 1234.
- 3) "Waits" for you to press **SEND** again then sends the numbers 3434.

Here is an example that uses both "waits" and "pauses":

18005551212w1234p3434

When you recall this number from memory and press **SEND**, the phone:

- 1) Dials 18005551212 (the stored number), then
- 2) "Waits" for you to press **SEND** again. When you do, the phone sends the numbers 1234.
- 3) Pauses 2.5 seconds then sends the numbers 3434.

If the Menu 8, Keypad Tones, has been set to off, the DTMF tones will still be sent, but you will not hear them.

To end the call, press **END** after the DTMF transmission is completed and the phone has returned to the normal call mode.

Call Waiting

Your cellular service provider may offer a call waiting option. This network feature allows you to make or answer a second call while you already have a call in progress.

To answer a waiting call

Press **SEND** when you hear an incoming call (normally indicated by a beep).

To make a call while you have a call in progress:

Enter the phone number or recall the number from the memory and press **SEND**. This puts the current call on hold and dials the new call.

Note: The Call Waiting network feature needs to be specifically subscribed to and may not be available in all cellular service provider networks. Contact your local service provider for more information.

7. Accessories

An extensive range of accessories is available for your phone. You can select the accessories that best accommodate your specific communication needs.

For availability of the accessories, please check with your local dealer.

A few practical rules for accessory operation:

- Keep the accessories out of small children's reach.
- When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.
- Check regularly that all cellular phone equipment in a vehicle is mounted and operating properly.
- Installation of complex car equipment must be completed by qualified personnel only.

IMPORTANT! Use only accessories approved by the phone manufacturer. The use of any other types will invalidate any approval or warranty applying to the phone, and may be dangerous.



ACH-8U Standard Travel Charger

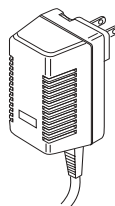
Use this durable and economical charger to charge all battery options. Simply plug the charger into a wall outlet and connect the connector to the bottom of your phone. Check the charging status on the phone display.

The charging time is approximately 5 hours for the 600 mAh battery and 6 hours for the 800 mAh battery.

Calls can be made during charging, but the charging will be reduced for the duration of the call. Note that if the battery is completely empty, you can't use the phone until it has enough charge to operate.

The Standard Travel Charger is available for different voltage levels and comes with different wall plugs.

The Standard Travel Charger can also be used as a power supply for the Compact Desktop Charging Stand CGH-9.

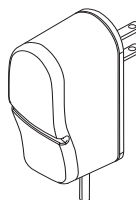


ACH-6U Rapid Travel Charger

Extremely light and functionally designed the Rapid Travel Charger charges your phone battery quickly.

Plug the charger into a wall outlet and connect the connector to the bottom of your phone. When not using the charger, you can wrap the cord around it and attach the loose end to the slot on top.

The charging time is approximately 60 minutes for the 600 mAh battery and 90 minutes for the 800 mAh battery. Check the charging status on the phone display. You can use your phone while charging.

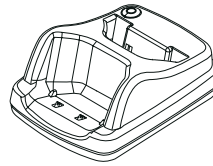


Operating within a voltage range of 100V-240V AC (50Hz-60Hz), the Rapid Travel Charger is practically voltage independent in normal office and household use. Like the Standard Travel Charger, the Rapid Travel Charger is compatible with all battery options and is available with different wall plugs.

The Rapid Travel Charger can also be used with the Compact Desktop Charging Stand CGH-9.

CGH-9 Compact Desktop Charging Stand

The Compact Desktop Charging Stand provides mounting for both the phone and a spare battery. Connect your charger to the back of the Compact Desktop Charging Stand, and then plug the charger into a wall outlet. Place your phone and/or a spare battery in the stand to begin battery charging.



Charging order is the phone battery first, and then the spare battery. Check the charging status of the phone battery on the phone display.

Compatible with all battery options, the Compact Desktop Charging Stand can be used together with the Rapid Travel Charger ACH-6U or the Standard Travel Charger ACH-8U. Charging times for the 600 mAh battery are approximately 60 minutes or 5 hours respectively and for the 800 mAh battery are 90 minutes or 6 hours respectively.

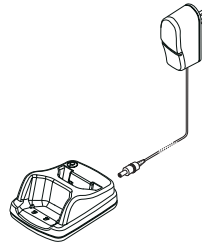
In addition, the Compact Desktop Charging Stand offers a discharging facility for the spare battery. Discharging helps extend battery life. Place the spare battery in the stand and press the discharge button. When the battery is totally discharged, recharging will begin automatically. You can also stop discharging

before it is finished by pressing the button again.
Recharging will begin immediately.

The discharge button is equipped with an LED indicator for the spare battery. A blinking red light indicates discharging. A continuous red light indicates charging, and a green light indicates the spare battery is fully charged. Charge the battery until the light turns green.

DTK-12 Compact Desktop Charger Kit

This kit provides all you need to make the use of your phone as convenient as possible in both home and office environments. It provides you with rapid charging and discharging facilities as well as a place to keep your phone in a convenient ready-to-use upright position.



The Compact Desktop Charging Stand CGH-9 and the Rapid Travel Charger ACH-6U are combined to create this kit.

Charging time for the 600 mAh battery is approximately 60 minutes and for the 800 mAh battery is approximately 90 minutes.

Carry Accessories

A range of carry accessories is available for your phone, including the following:

- Leather Carry Sleeve LCS-4
- Belt Clip Carry Case BCC-2

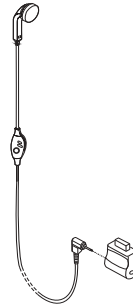
HDXK-7 Headset Kit

The compact and functional, Headset Kit (Headset Adapter HDA-3 and Headset HDC-2) provides you with a convenient handsfree facility that you can use anywhere.

Connect the Headset Adapter HDA-3 to the bottom of your phone, and plug the Headset HDC-2 to the adapter.

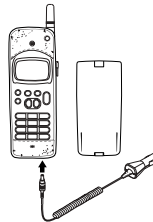
For in-car use, connect the headset directly to the Compact Handsfree Unit. (The headset adapter is not required under this configuration.) When used with the Antenna Coupler AAE-1, this combination provides you with handsfree operation, privacy and optimum reception quality. When the headset is connected, the HF loudspeaker and microphone are muted.

Note: When using the Headset Adapter, connect your charger to the adapter if you need to charge your phone.



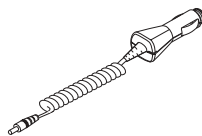
EXK-2 Executive Kit

Consisting of the Rapid Cigarette Lighter Charger LCH-6, Extended 800 mAh NiCd battery BKL-2S and the Leather Carry Sleeve LCS-4, this kit combines extended talk time and mobility.



LCH-6 Rapid Cigarette Lighter Charger

The multivoltage Rapid Cigarette Lighter Charger ensures that your phone is always ready for use. The small charger's functional design fits well with most car lighters and interiors.



Charging times are the same as those for ACH-6U. The charging time is approximately 60 minutes for the 600 mAh battery and 90 minutes for the 800 mAh battery. Calls can be made during the charging.

A green light indicates that the Rapid Cigarette Lighter Charger is ready to charge. Check the charging status on the phone display. The input voltage is 12 or 24 V DC, negative grounding.

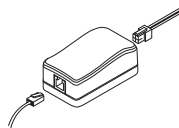
The Rapid Cigarette Lighter Charger can be used with all accessories available for your phone.

Avoid prolonged charging with the Rapid Cigarette Lighter Charger when the car engine is not running. This may cause the battery of your car to drain.

Note: In some cars the cigarette lighter plug is not provided with power when the ignition is switched off. Verify that the green LED light is on.

LCM-1 Mobile Installation Charger

The multivoltage Mobile Installation Charger powers your phone from the car battery when the ignition is switched on and leaves the cigarette lighter vacant.



You can use the Mobile Installation Charger in any vehicle with a 12 or 24 V DC connection, negative grounding.

The charging time for the 600 mAh battery is approximately 60 minutes and for the 800 mAh battery is approximately 90 minutes.

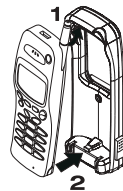
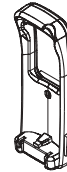
The Mobile Installation Charger housing has a four pin connector for the Power Cable PCM-5, and on the opposite end a connector for the output cable, which connects the Mobile Installation Charger directly to the DC connector of your phone or to the Compact Handsfree Unit.

The Mobile Installation Charger can be installed in the most convenient location for you.

Installation must be made by qualified personnel only.

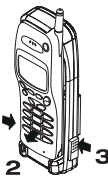
MBT-9 Mobile Holder

Designed to fit and complement your car's interior, the Mobile Holder holds your phone firmly in place by its three-point hold and sturdy structure.



You can easily place the phone into the holder with one hand. Tilt the phone and place it into the holder top first, then push the bottom in until you hear a click.

Pressing the release buttons on both sides of the holder loosens the bottom lock. You can now pick up the phone from the holder and take it with you.

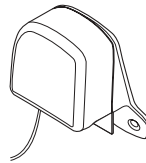


The Mobile Holder is easy to install using a snap-on swivel mount HHS-6 or mounting plate MKE-7 to a convenient location within your car.

Always secure the phone in its holder. Do not place the phone on the passenger seat or in a place where it can break loose in a collision or sudden stop.

AAE-1 Antenna Coupler

The optional Antenna Coupler AAE-1 provides your phone with access to an external antenna while the phone is mounted in its holder. To enjoy optimum reception quality, fasten the coupler onto the top of the Mobile Holder MBT-9.



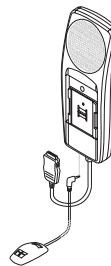
Please note that you will need one of the following combinations to truly benefit from the improved reception:

- Headset Adapter HDA-3 and Headset HDC-2
- Compact Handsfree Unit PHF-5 and HF Microphone HFM-7
- Compact Handsfree Unit PHF-5 and Audio Handset HSU-2
- Compact Handsfree Unit PHF-5 and Headset HDC-2

PHF-5 Compact Handsfree Unit and HFM-7 HF Microphone

Equipped with an internal speaker, the Compact Handsfree Unit offers convenient handsfree operation with good sound quality.

The unit uses the Rapid Cigarette Lighter Charger LCH-6 or the Mobile Installation Charger LCM-1 for power supply. Connect the HF microphone HFM-7 and either of the chargers to the bottom of the Compact Handsfree Unit. The connectors are marked MIC and DC, respectively.



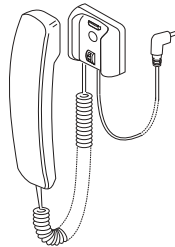
The design of the Compact Handsfree Unit complements the smooth lines and shapes of the phone and car dashboard designs. Absence of sharp edges adds to safety. The Compact Handsfree Unit PHF-5 is easy to install with a snap-on swivel mount HHS-6 or mounting plate MKE-7.

HSU-2 Audio Handset

A simple handset with no display or keypad, the Audio Handset provides privacy for conversation.

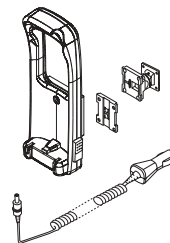
Connect the Audio Handset to the bottom of Compact Handsfree Unit PHF-5. The connector is marked with .

When you lift the Audio Handset from its holder, the HF-loud-speaker and HF-microphone will be muted and you can speak in privacy. When you replace the handset in its cradle, the call is terminated. However, you can press the **MENU** selection key of your phone a few seconds before you replace the handset to retain the call and return to handsfree mode.



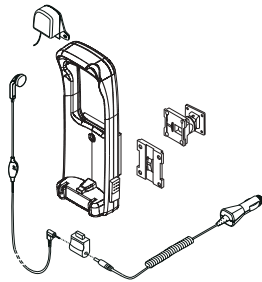
CARK-80 Mini Car Kit

The Mini Car Kit provides you with a quick charging facility and holds your phone firmly in place. It is comprised of the Mobile Holder MBT-9 and the Rapid Cigarette Lighter Charger LCH-6, snap on swivel mount HHS-6 and mounting plate MKE-7. See previous sections for more information on these kit components.



CARK-81 Handsfree Headset Car Kit

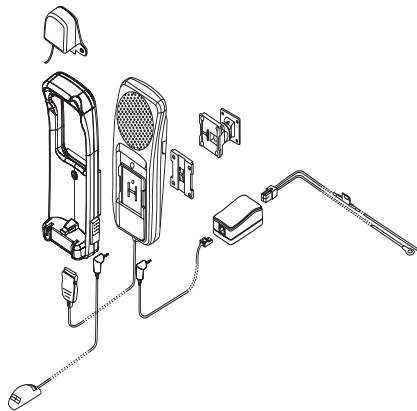
The Handsfree Headset Car Kit is an easy-to-install, flexible kit, which offers you Rapid charging and simple handsfree function, as well as access to the external antenna connection.



- The Mobile Holder MBT-9 keeps your phone firmly in place.
- The Rapid Cigarette Lighter Charger LCH-6 powers your phone quickly
- Attached to the Mobile Holder MBT-9, the Antenna Coupler AAE-1 provides connection to an external antenna and gives you optimum reception quality.
- The Headset Adapter HDA-3 and Headset HDC-2 provide you with privacy in handsfree mode.
- Use the Mounting Plate MKE-7, or the Swivel Mount HHS-6, to affix the Mobile Holder to your car's interior.

CARK-82 Compact Handsfree Car Kit

You may choose the Compact Handsfree Car Kit to provide a convenient charging facility combined with external antenna connection and handsfree capability as well.



- The Mobile Holder MBT-9 keeps your phone firmly in place.
- The Compact Handsfree Unit PHF-5 with its internal speaker and HF Microphone HFM-7 offers you a seamless handsfree function.
- The Antenna Coupler AAE-1 can be attached directly to the Mobile Holder MBT-9 to provide connection to an external antenna for optimum reception quality.
- The Mobile Installation Charger LCM-1 can be connected to the Compact Handsfree Unit PHF-5 to power your phone from the car battery via the ignition.
- *May be used with the optional Audio Handset HSU-2, for private conversations.*

Note that complex car accessories must be installed by qualified personnel only.

8. Reference Information

Important Safety Information

Traffic Safety

Do not use a hand-held phone while driving a vehicle. If using a hand-held phone, park the vehicle before conversing.

Always secure the phone in its holder; do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.

The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

Remember, road safety always comes first!

Operating Environment

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

Operation of any radio transmitting equipment, including cellular phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device if you have any questions. Other electronic equipment may also be subject to interference.

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.

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.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as a cellular phone or any of its parts or accessories.

Only qualified personnel should install or service the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit.

Electronic fuel injection systems, electronic anti-lock braking systems, electronic cruise control systems and other electronic systems can malfunction due to the lack of protection from radio signals. Check regularly that all cellular phone equipment in your vehicle is mounted and operating properly.

Switch off your cellular phone when in an aircraft. The use of cellular phones in an aircraft may be dangerous to the operation of the aircraft, may disrupt the cellular network, and is illegal.

Failure to observe these instructions may lead to the suspension or denial of cellular telephone services to the offender, or legal action or both.

Emergency Calls

IMPORTANT!

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

Remember, to make or receive any calls, the phone must be switched on and in a service area with adequate cellular signal strength.

Emergency calls may not be possible on all cellular phone networks or when certain network services and/or phone features are in use. Check with local cellular service providers.

To make an emergency call

- 1) If the phone is not on, switch it on by pressing and holding the power key.
- 2) Press and hold **CLR** for several seconds to ready the phone for calls.
- 3) Enter the emergency number for your present location (e.g., 911 or another official emergency number). Emergency numbers vary by location.
- 4) Press **SEND**.

If certain features are in use (e.g., Keyguard), 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 cellular phone may be the only means of communication at the scene of an accident - do not end the call until given permission to do so.

Using This Guide

The cellular phone described in this guide is approved for use in AMPS networks.

A number of features included in this guide are called Network Services. They are special services provided by cellular service providers. Before you can take advantage of any of these Network Services, you must subscribe to the service(s) you require from your home service provider. You can then activate these functions as described in this guide.

The manual activation commands for various network services are not presented in this guide (e.g., using * and # characters for activating or deactivating services). The phone nevertheless is capable of handling commands given in that form. For these commands, please consult with your service providers.

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 fulfil any warranty obligations and allow you to enjoy this product for many years.

Keep the phone and all its parts and accessories out of small children's reach.

Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

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

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

Do not store the phone in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit boards.

Do not attempt to open the phone. Non-expert handling of the phone may damage it.

Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.

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

If the phone or any of its accessories are not working properly, take them to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Troubleshooting

If the power does not come on or stay on

Make sure the battery is properly installed and charged.

Be sure that the contacts on the battery and the charging stand are clean.

Battery charge may be too low for operation. Check the display and listen for the low battery warning tones.

If the power comes on, but the phone does not work

Check the NO SVC indicator, you might be out of the cellular service area.

Make sure that the antenna is properly installed and if your phone has an extendable antenna, make sure that the antenna is extended to its full length.

Check if there is an error message on the display after switching the phone on. If so, contact your local dealer.

Technical Information

Weight:	7.6 oz. with Extended 800 mAh NiCd Battery
	6.7 oz. with Slim 600 mAh NiMH Battery
Transmitting Power:	0.6 W (+ 2 dB - 4 dB)
Operating Voltage:	4.8 V (Internal Battery), 120 V (AC), 12 V (car)
Frequency Band:	824.040 - 848.970 MHz (Tx) 869.040 - 893.970 MHz (Rx)
Number of Channels:	832
Memory Locations:	0-40
Memory Capacity:	See table on page 15.

USA
NOKIA MOBILE PHONES – 6200 Courtney Campbell Causeway,
Suite 900, P.O. Box 30730, Tampa, FL 33630
Tel: 1-800-666-5553

CANADA
NOKIA PRODUCTS LTD. – 575 Westney Rd. South,
Ajax, Ontario L1S 4N7. Tel: (905) 427-6654

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NOKIA One-Year Limited Warranty

Nokia Mobile Phones, Inc. ("NMPI") warrants that this cellular phone ("Product") is free from defects in material and workmanship, according to the following terms and conditions:

1. The limited warranty for the Product extends for ONE (1) year beginning on the date of purchase of the Product.
2. The limited warranty extends only to the original consumer purchaser ("Consumer") of the Product and is not assignable or transferable to any subsequent purchaser/end user.
3. The limited warranty extends only to Consumers who purchase the Product in the United States.
4. During the limited warranty period, NMPI will repair, or replace, at NMPI's option, any defective parts, or any parts that will not properly operate for their intended use with new or factory rebuilt replacement items. No charge will be made to the Consumer for any such parts. NMPI will also pay for the labor charges incurred by NMPI in repairing or replacing the defective parts. The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.
5. Upon request from NMPI, the Consumer must provide information to reasonably prove the date of purchase.
6. The Consumer shall bear the cost of shipping the Product to the Customer Service Department of NMPI. NMPI shall bear the cost of shipping the Product back to the Consumer after the completion of service under this limited warranty.
7. The Consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:
 - a) The Product has been subject to abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of NMPI, including damage caused by shipping and blown fuses.
 - b) The Customer Service Department at NMPI was not notified by Consumer of the alleged defect or malfunction of the Product during the applicable limited warranty period.
 - c) The Product serial number plate or the accessory date code has been removed, defaced, or altered.

d) The defect or damage was caused by the defective function of the cellular system, or by inadequate signal reception by the external antenna.

8. If a problem develops during the limited warranty period, the Consumer should take the following step-by-step procedure:

a) The Consumer shall return the Product to the place of purchase for repair or replacement processing.

b) If "a" is not convenient the Consumer may contact the Customer Service Department at NMPI, at the phone number listed on the bottom of this page for further instructions.

c) The Consumer shall ship the Product prepaid and insured. Expenses related to removing the Product from an installation are not covered under this limited warranty.

d) The Consumer will be billed for any parts or labor charges not covered by this limited warranty. The Consumer shall be responsible for expenses related to reinstallation of the Product.

e) If the Product is returned to the Customer Service Department at NMPI during the limited warranty period, but the problem with the Product cannot be fixed under the terms and conditions of this limited warranty, the Consumer will be notified and given an estimate of the charges the Consumer must pay to have the Product repaired, with all shipping charges billed to the Consumer. If the estimate is refused, the Product will be returned freight collect. If the Product is returned to the Customer Service Department at NMPI after the expiration of the warranty period, NMPI's normal service policies shall apply and the Consumer will be invoiced for all shipping charges.

9. The Product consists of newly assembled equipment that may contain used components which have been reprocessed to allow machine compliance with Product performance and reliability specifications.

10. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OF USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING WRITTEN WARRANTY, OTHERWISE, THE FOREGOING WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NMPI SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR A LOSS OF ANTICIPATED BENEFITS OR PROFITS, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH

OF THE WARRANTY EVEN IF NMPI KNEW OF THE
LIKELIHOOD OF SUCH DAMAGES.

11. Some states do not allow limitation of how long an implied warranty lasts, so the above limitation may not apply to you (the Consumer). Some states do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusions may not apply to you (the Consumer). This limited warranty gives you specific legal rights and you may also have other rights which vary from state to state.

12. NMPI neither assumes nor authorizes any authorized service center or any person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty.

13. Questions concerning this limited warranty may be directed to the Customer Service Department at Nokia, 6200 Courtney Campbell Causeway, Suite 900, Tampa, FL 33630. Telephone (813) 288-3800 or 1-800-456-5553, Facsimile: (813) 287-6612.

14. The limited warranty period for Nokia Product Corp. supplied attachments and accessories are specifically defined within their own warranty cards and packaging.