



# CDM-4500

DUAL MODE DIGITAL CDMA TELEPHONE



**OWNER'S OPERATING MANUAL**



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# AUDIOVOX CDM-4500

## Dual Mode CDMA/AMPS Handheld Portable Cellular Telephone

In today's fast paced world, it has become a necessity to have access to real-time information. Your communications tools must provide you with this access. With that in mind, Audiovox developed the CDM-4500.

This CDMA 800 MHz/Amps dual mode phone is our first with a built-in Web Browser. The CDM-4500 also features a Vibrating Alert Option, Voice Recognition and Data Capabilities. In addition, the phone features a Lithium Ion battery providing you with 190 minutes of talk time and 170 hours of stand-by, an Enhanced Phone Book with 99 Alpha/198 Numeric Memory Locations; One touch emergency dialing; 15 distinctive ring tones and Menu Driven Operation.

The CDM-4500 digital cellular telephone has several optional accessories available, including: leather carrying case, cigarette lighter plug-in charger, desktop holder, AC adapter, Hands-free car kit and earphone microphone.

And of course, your new CDM-4500 digital handset provides you with something only an Audiovox phone can: the proven reliability that has made us one of the leading wireless handset providers.

Please take a few moments to read the following pages of the user's operation manual. It will help you make the most efficient use of this valuable communications tool.

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# **SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES**

Read this information before using your handheld portable Cellular Telephone.

## **EXPOSURE TO RADIO FREQUENCY SIGNALS**

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

- \*ANSI C95.1 (1992)
- \*NCRP Report 88 (1986)
- \*ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1). The design of your phone complies with the FCC guidelines (and those standards).

## **ANTENNA CARE**

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

## **PHONE OPERATION**

**Normal Position:** Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

\*The meanings of the acronyms are:

- ANSI** : American National Standards Institute
- NCRP** : National Council on Radiation Protection and Measurements
- ICNIRP**: International Commission on Nonionizing Radiation Protection

## **Tips on Efficient Operation:**

For your phone to operate most efficiently:

- Extend your antenna fully.
- Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

## **DRIVING**

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- Give full attention to driving — driving safely is your first responsibility.
- Use handsfree operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

## **ELECTRONIC DEVICES**

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

### **Pacemakers**

The health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

#### **Persons with pacemakers:**

- Should ALWAYS keep the phone more than six (6") inches from their pacemaker when the phone is turned ON.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

### **Hearing Aids**

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider [or call the customer service line to discuss alternatives.]

### Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

### Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

### Posted Facilities

Turn your phone OFF in any facility where posted notices so require.

### AIRCRAFT

FCC regulations prohibit using your phone while in the air. Switch OFF your phone before boarding an aircraft.

### BLASTING AREAS

To avoid interfering with blasting operations, turn your phone OFF when in a "Blasting area" or in areas posted "Turn off two-way radio". Obey all signs and instructions.

### POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include fueling areas such as gasoline stations, below deck on boats, fuel or chemical transfer or storage vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as: grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

### For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

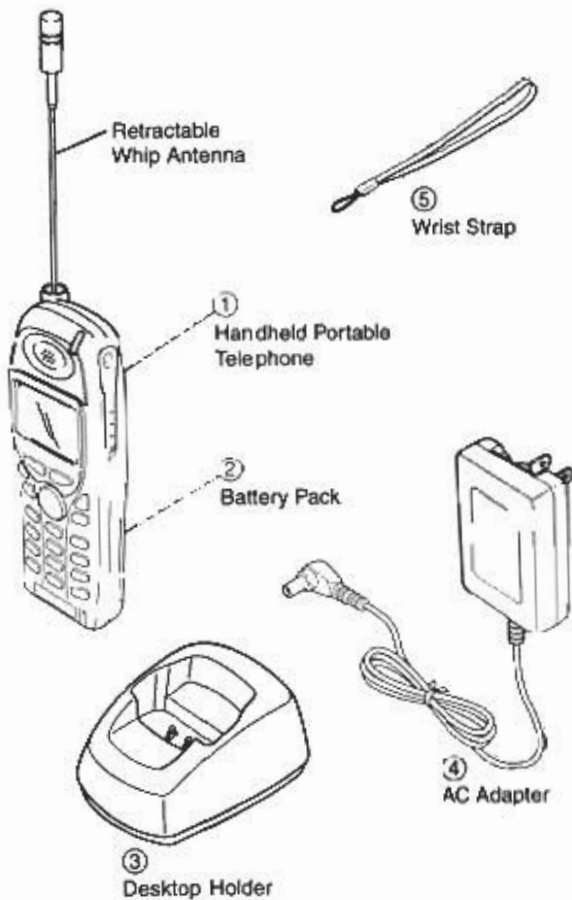
## PRECAUTIONS

Your Handheld Portable Telephone is a high quality piece of equipment. Before operating the equipment, read all instructions and cautionary markings on (1) AC Adapter, (2) Battery and (3) Product using Battery.

1. DO NOT use this equipment in an extreme environment where high temperature or high humidity exists.
2. DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using the unit, lay down the unit to avoid possible damage due to instability.
3. DO NOT expose this equipment to rain or spilled beverages.
4. DO NOT use unauthorized accessories.
5. DO NOT disassemble the phone or its accessories; If service or repair is required, return the unit to an authorized Audiovox cellular service center. If the unit is disassembled, the risk of electric shock or fire may result.
6. To prevent injury or burns, DO NOT allow metal objects to contact or short circuit the battery terminals.
7. DO NOT open the battery case. If the battery is accidentally broken, avoid skin contact with the internal chemical contents. If there is skin contact, wash the affected area immediately and seek medical advice.
8. DO NOT put the battery close to, nor dispose it into fire.
9. The product that you have purchased contains a rechargeable Battery. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this Battery into the municipal waste stream. Check with your local solid waste officials for proper disposal procedures in your area.

## SYSTEM CONFIGURATION

System configuration and the equipment list are as shown below.



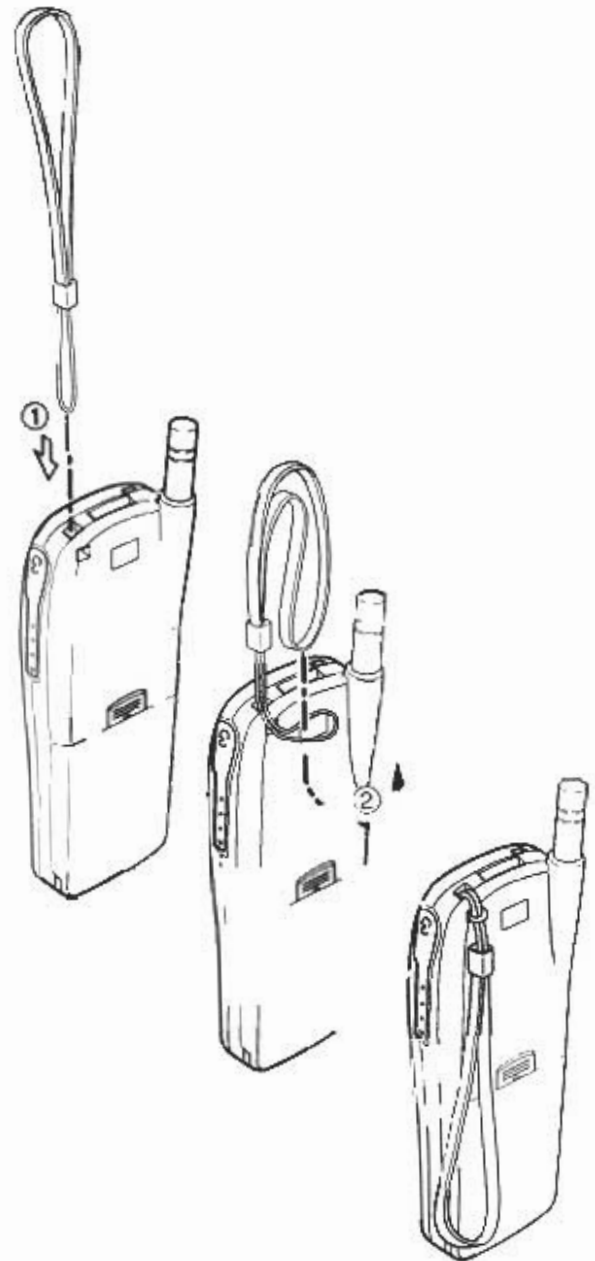
### List of Equipment

No.	Name of the Equipment
①	Handheld Portable Telephone
②	Slim Lithium Ion Battery Pack (BTR-4500)
③	Desktop Holder (DTH-4000)
④	AC Adapter (CNR-4000)
⑤	Wrist Strap

## WRIST STRAP ATTACHMENT

Attach the wrist strap to the phone through the strap hole as shown below ① .

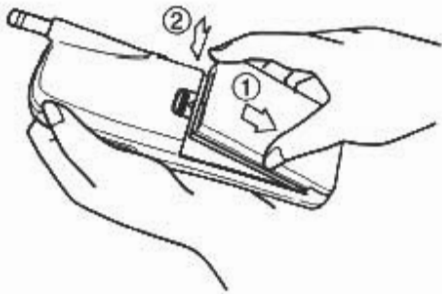
Then put the long loop through the smaller loop as shown below ② .



## BATTERY INSTALLATION AND RECHARGING

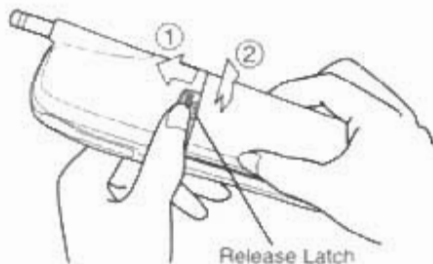
### To Attach the Battery Pack

- ① Insert the hook at the end of the Battery Pack into the slot at the end of the phone.
- ② Press the Battery Pack down to lock the Battery Pack onto the phone.



### To Detach the Battery Pack

- ① Slide back the Release Latch as shown below.
- ② Lift up to remove the Battery Pack from the phone gently.



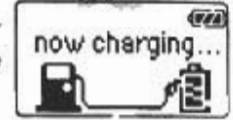
### To Recharge Battery

Your CDM-4500 has a built-in charger function. To recharge the Battery Pack, always install the Battery Pack to the Phone.

1. Attach the Battery Pack to the Phone.
2. Insert the DC plug of the AC Adapter (CNR-4000) to the Desktop Holder (DTH-4000). Plug the AC Adapter to AC outlet.
3. Place the Phone with Battery Pack into the Desktop Holder.

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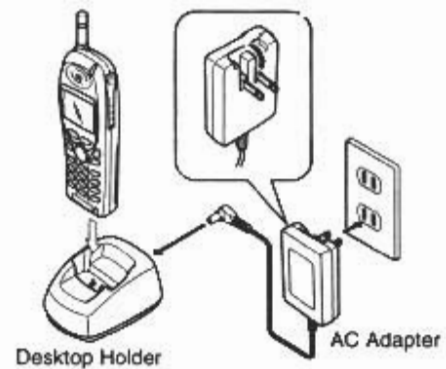
4. Then the recharging starts. The display indicates "now charging" with animation. You can see a battery level indicator scrolling at the upper-right of the display.



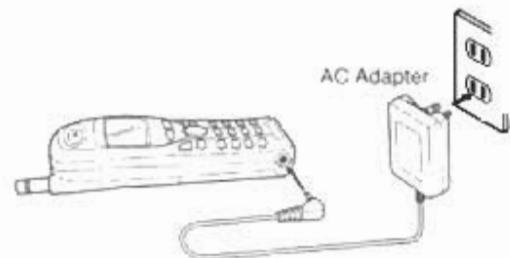
5. For complete recharging, it is recommended that the phone is turned off during recharging.
6. When the recharging is completed, the display indicates "fully charged".
7. It is normal that Battery Pack may become a little warmer during recharging.

The recharging time, from empty to full, depends on the environmental temperature, 0 to +35°C.

Battery Type	Recharging Time
Slim Lithium Ion (BTR-4500)	1.5 to 2 h



Alternatively you can recharge the Phone using AC Adapter as illustrated below.

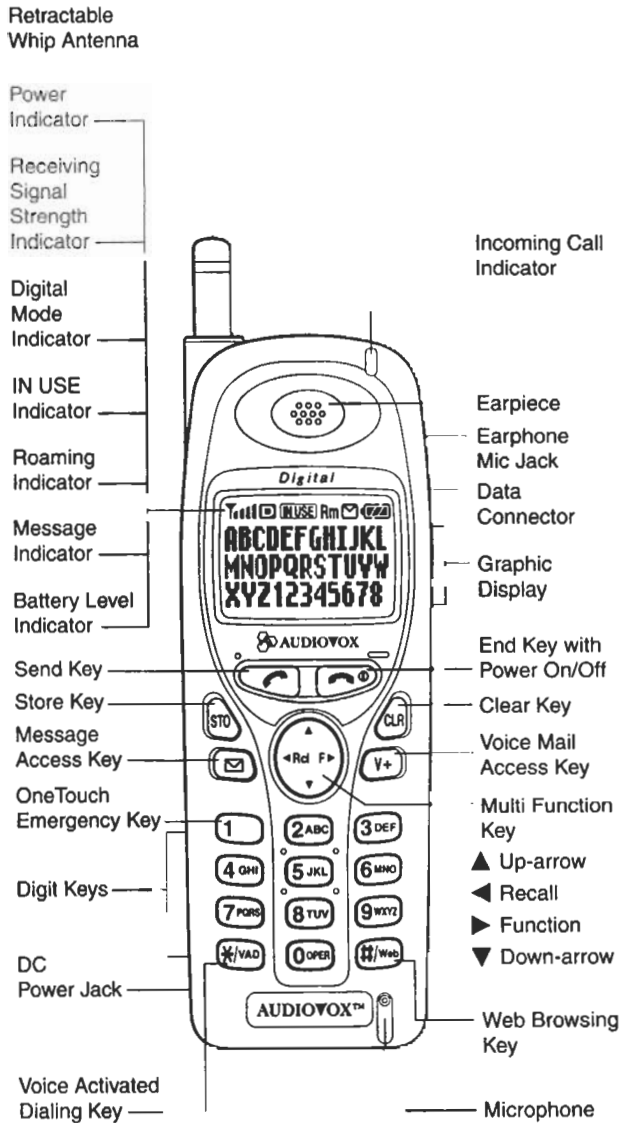


**Note:** Do not feed the power to the Phone without Battery Pack.

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# FUNCTIONS

## External View



## Function of Keys

Digit Keys	
1	2 ABC 3 DEF
4 GHI 5 JKL 6 MNO	7 PQRS 8 TUV 9 WXYZ
* / VAD	0 OPER # / Web
To enter Telephone Numbers, Names or special characters (* or #). 1 is also used for OneTouch Emergency feature.	
Function Keys	
	SEND key. To originate or receive a Call.
	END key. To terminate a Call and to turn the phone ON/OFF.
	To recall phone numbers from memory. Also used as Left-arrow key.
	To be used with other keys to activate various special features. Also used as Right-arrow key.
	To control Earpiece audio level, Alert Tone and Key Tone. Also used as Up/Down-arrow keys.
	To store phone numbers in memory.
	To clear digits from the display or from a memory location.
	To review Text Messages or to learn how many Voice Messages are in your Voice Mailbox.
	To access your Voice Mail with only one key.



## LCD Display Indication


Items	Descriptions
	Receiving Signal Strength Indicator. The number of lines indicates the received Signal Strength, and T is also used as a POWER ON Indicator.
	Digital Mode Indicator. To indicate the phone is operating in digital mode.
	A Call is in progress.
	The phone is out of the Home-Area.
	Message Indicator. To indicate that Text Messages are stored in memory or Voice Messages are in your Voice Mailbox.
	Battery Level Indicator. Monitors the battery charge condition.
	Graphic full-dot matrix display with flexible font size in 2 to 4 lines.



## GETTING STARTED

### Turning the Phone On/Off

Press  for more than one second. All the indicators and the digit display will light momentarily, and a tone will be heard. The indicator  will stay while the phone is turned on.

To turn the phone off, press  for more than one second.

### Antenna Position




The antenna can be used in its fully extended or fully retracted position only. It is recommended that the antenna should be fully extended for optimum performance and signal strength or while operating in poor signal areas.

### Receiving Signal Strength Indicator (Tall)

The number of lines indicates the Signal Strength in your area. Four lines show the maximum level. The display will vary as you move with the phone. If the signal is not strong enough to place a call, "No Service" will appear on the LCD display.

### Battery Level Indicator

You can always monitor the battery charge condition with the constant battery level indicator. The number of blocks indicates the battery conditions as follows:

-  Full charge
-  Low charge
-  Flashing indicates discharged.

### Power Management

Battery	Mode	Talk Time up to	Standby Time up to
Slim Battery (BTR-4500)	CDMA	190 min.	170 h
	Analog	65 min.	12 h

The operating times are approximate values and may vary depending on network configuration and handset usage.

## BASIC OPERATION

### Placing Calls

#### To Place a Call


1. Enter the phone number.  
(A maximum of 32 digits will be displayed.)



2. Press .  
The **IN USE** indicator will light.



#### To Correct a Number


Press  to clear the last digit.

Press and hold  to erase all the digits entered.




#### If the Call Fails to Go Through

Press , and  to redial the number.

#### To Terminate a Call




Press . The **IN USE** indicator will go out.

#### Last Number Redial

Press   to recall the last number you dialed, then press .



See **Call History** on page 42 for details.

#### To Dial the Last Number Received

Press   to dial the last number with Caller ID you received, then press .



See **Call History** on page 42 for details.



#### Phonebook Dialing

Press  and enter an address (01 to 99) to recall a number from your phonebook, then press .


See **Phonebook Recall** on page 31 for details.


#### To Mute a Phone Conversation

Press   to mute your conversation at any time during a call. "Mute" will be displayed.

To return to normal conversation, press   again.

## Speed Dialing



If you know the phonebook address of the telephone number that you want to call, you may place a call without using .


1. Enter the one or two digits of your Phonebook address (1 ~ 9 or 10 ~ 99).
2. Press . The phone number will be displayed. The **IN USE** indicator will light, and the call will be placed.

**Note:** If two telephone numbers are stored in the address, the Primary Number will be dialed.

## Quick Dialing

When this feature is on, the Primary number in your Phonebook address 02 to 09 can be dialed with just one push of the key. See **Quick Dialing (F01)** on page 73 to turn this feature on/off.





1. Press a digit key ( to ) for more than one second.
2. The number in your phonebook is automatically dialed. The phone number will be displayed. The **IN USE** indicator will light.

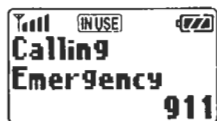
**Note:** The key  is not for Quick Dialing, but for **One Touch Emergency Call**, page 19.

## Emergency Call

This feature permits you to place an emergency call even if your telephone is in "Phone Lock", "Keypad Lock" or "Restrict" mode. Up to 3 numbers can be programmed as Emergency numbers. The emergency numbers "911" and "\*911" are already preprogrammed. See **To Change Emergency Numbers (F62)** on page 69.


**Example:** To Call 911 in "Phone Lock" or "Keypad Lock" mode.


1. Enter   . The "911" will not be displayed, but "Phone Lock" or "Keypad Lock" will be displayed.
2. Press . The "911" will be displayed. The **IN USE** indicator will light, and the call will be placed.



## OneTouch Emergency Call

This feature permits you to dial an emergency number by a single key stroke, even in the "Phone Lock" or "Restrict" mode. This feature can be turned off to prevent unintentional calls to the emergency number. See **To Turn On/Off OneTouch Emergency Call Feature (F63)** on page 69.

1. Press and hold  for more than 2 seconds. The number in emergency memory location "1" will be dialed.
2. Then the **IN USE** indicator will light, and the call will be placed. (The factory preset number is "911".)

**Note:** This feature cannot be used if the Keypad Lock is on. You need to dial all the digits and .


## Emergency Call Mode

When you dial one of the 3 pre-programmed emergency numbers, your phone will enter the "Emergency Call Mode". In this mode, the phone will attempt to complete the emergency call using any available cellular system from which it can obtain service.



After it places an emergency call, the phone will stay in the "Emergency Call Mode", and will display "Emergency Call Mode, END to exit". In the "Emergency Call Mode", the phone will attempt to continue to receive service from the Cellular system that it used to complete the call. The phone will automatically exit the "Emergency Call Mode" after 5 minutes or after you press END.

## Receiving Calls

### To Receive a Call

When the telephone rings, press  to answer the call. The **IN USE** indicator will light.

### Any Key Answering

This feature permits you to answer an incoming call by pressing any key on the key pad except  and .

## Caller ID with Name

This feature allows you to preview in your display the number and name of the party calling you before you answer the call. The name is as you programmed it in your phonebook.

1. When the phone rings, the Calling Number appears in the display.
2. The last 10 Caller IDs are stored in the memory for your review and redial. See **Call History** on page 42 for details.



Incoming Call  
JACK  
123-456-7890

**Note:** "Number Restricted" or "Number Unavailable" is displayed when the Caller ID is restricted or not available.

## Automatic Calls-in-Absence Indicator

This feature indicates the number of unanswered incoming calls. If incoming calls are not answered, the LCD display will indicate "Called XX". "XX" is the number of calls (01 to 99) missed. Depressing any key will clear the display.

## Ring Tone with Melody

The CDM-4500 offers you 15 styles of ringer tones and melodies for alerting incoming calls. Ringer volume can also be adjusted. See **Ring Type Selection (F32)** and **Alert Tone Volume Control (F31)** on page 58 for setting. See also **Vibrator Alert (F8)** on page 73.

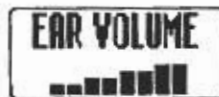
## Distinctive Ringing (Audible Caller ID)

You may program different ringer styles for different phonebook addresses. See **To Store a Ring Type with the Phone Number** on page 29 for setting.

## During Calls

### To Adjust the Earpiece Volume


Simply press  or  to adjust Earpiece Volume during a call.



### Scratch Pad Dialing

If you enter a telephone number during a call, the number will be stored in the Scratch Pad memory.



After terminating the call, the number you entered can be dialed by .

**Note:** You can deactivate "Sending DTMF" so that keypad tones will not be transmitted to the calling party. See **Sending DTMF (F35)** on page 59.



## Automatic Talk Timer

The talk time of the current call will be automatically displayed.

For example, "1h23m45s".



## Call Waiting

Your service provider may provide Call Waiting service. When you are on a call, you may hear beep tone alerting you of another incoming call. Your phone displays "New Caller" and the new caller's ID with the name. The name is as you programmed it in your phonebook.

1. Press  to answer the new call.
2. Press  again to switch between the two calls.

## Three-Way Calling

Your service provider may provide Three-Way Calling service. When a call is already in progress, you may call the third party.

1. Enter a number and press  to call the third party.
2. Press  again to connect all three parties.

Ask your service provider for the detailed information.


## Standby

### Clock Indicator (Digital Mode Only)

When the phone is in an area with digital service (Digital Mode), Date and Time are automatically displayed, if this feature is enabled. See **Clock Indicator (F42)** on page 62 to turn this feature on/off.

Example:



**Notes:** 1. During Digital Mode, the  indicator lights.  
2. During Analog Mode, or while "No Service" is indicated, the time display is not available even if this feature is enabled.

## End to End Signaling

To utilize certain phone services, such as accessing an alternate long distance network, signaling a pager or banking by phone etc., Touch Tone™ signaling is required. The following features will make it easy to send frequently used Touch Tone™ signals. See **Link Dialing** on page 38 for more information.

### Touch Tone™ from Display

When **Sending DTMF** (page 59) mode is on, the numbers will be sent in TouchTone™ signals during a call as you press digit keys. When **Sending DTMF** mode is off, you can send TouchTone™ signals in the following manner.

1. Enter the number.



2. Press **[←]** and scroll to "TONE".

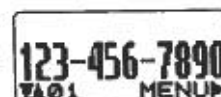


3. Press **[→]**. The number in the display will be sent in Touch Tone™ signals.

### Touch Tone™ from Memory

Touch Tone™ signals can be sent from memory during a call.

1. Press **[MEM]**, and recall the number you want to send in Touch Tone™ signals.



2. Press **[←]** and scroll to "TONE".



3. Press **[→]**. The number in the display will be sent in Touch Tone™ signals.

## PHONEBOOK OPERATION

Your phone has an Enhanced Phonebook with 99 dual-number memory addresses. At each address, you can store up to two telephone numbers under one name. This feature allows you to store, under one name, a person's home and office number, office and mobile number, etc. Stored numbers can be easily recalled and dialed by pressing **[CALL]**. Numbers can also be marked Secret for added privacy.

### Number of Digits per Phonebook Address

Address	Single Number or Dual Numbers	Linked Numbers
01 to 90	Up to 32 digits	Up to 40 digits
91 to 99	Up to 32 digits	Up to 80 digits
Note	Includes Dual Mark and Manual Hyphens	Includes Link Marks and Manual Hyphens

## Phonebook Entry

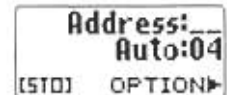
To program your phonebook, enter the information in the following order. You may skip "Name", "Option" and/or "Voice".

**[CLR]** **[Number]** **[STO]** **[Name]** **[STO]** **[Option]** **[Address]** **[Voice]**

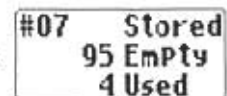
### To Store a Number without Name

1. Press **[CLR]**, then enter the phone number.
2. Press **[STO]** **[STO]**, then enter the desired memory address (01 through 99).

3. Press **[STO]** **[STO]**.






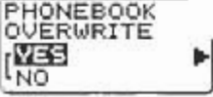
4. Enter **[0]** **[7]** and press **[CALL]**.



## Overwrite Warning

When you attempt to store a number in an address where another number has been already stored, you will have "OVERWRITE" warning.

**Example:** To store the number 9 8 7 6 5 4 3 2 1 0 in the address 07, where another number 1 2 3 4 5 6 7 8 9 0 is already stored.

1. Press **CLR**.
2. Enter **9** **8** **7** **6** **5** **4** **3** **2** **1** **0**.  

3. Press **STO** **STO**.  

4. Enter **0** **7**.  
 The already stored number is displayed momentarily.  

5. Two seconds later.  

6. If you accept to overwrite, scroll to "YES" and press **FN** **↓** **FN**.
7. If you do not want to overwrite, scroll to "NO" and press **FN**. The screen returns to the step 3 again.

## Auto Hyphenation

With this feature on, hyphens are automatically inserted when you enter telephone numbers and when you recall the numbers from the Phonebook. See **Auto Hyphenation (F23)** on page 56 to activate or deactivate this feature.




Length of Number	Display Example
10 digits or less	123-456-7890
11 to 21 digits	1-234-567-89012
22 digits or more	No hyphens

**Note:** When you manually insert hyphens, the "Auto Hyphenation" feature will not work for that particular number.

## Manual Hyphenation

You can manually insert a hyphen at any place when you enter a telephone number. The maximum number is 32 digits long including hyphens.

**Example:** To insert a hyphen in the number 1 2 3 4 5 6 7 to display it as 123-4567.

1. Press **CLR**.
2. Enter **1** **2** **3**.
3. Press **FN** and scroll to "HYPHEN".  

4. Press **FN**.  

5. Enter **4** **5** **6** **7**.  




## Automatic Storing into Phonebook

This feature allows convenient automatic storing into a vacant phonebook address.

The number will be stored in the first available memory address which will be indicated in the display. This feature can prevent the possible overwriting of a previously stored number.

1. Enter the phone number.
2. Press **STO** **STO** **STO**.

**Example:** To store the phone number 1 2 3 4 5 6 7 8 9 0 into a vacant memory address 04.

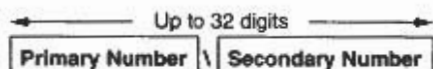
1. Press **CLR**.
2. Enter **1** **2** **3** **4** **5** **6** **7** **8** **9** **0**.  

3. Press **STO** **STO**.  


4. Press **(STO)** **(F)** **(F)**

#04 Stored  
94 Empty  
5 Used

## To Store Dual Numbers in Phonebook

You can store Dual Numbers with Dual Mark "\ " up to 32 digits for all the address 01 to 99 in the phonebook.



To store two telephone numbers in one phonebook address, enter the first number, select the Dual Mark "\ " by using Menu, then enter the second number.

**Example:** To store the primary number 1 2 3 4 5 6 7 8 9 0 and the secondary number 9 8 7 6 5 4 3 2 1 0 in address 08.

1. Press **(CLR)**.

2. Enter **(1)** **(2ABC)** **(3DEF)** **(4GHI)** **(5JKL)** **(6MNO)** **(7PQRS)** **(8TUV)** **(9WXYZ)** **(0OP)**.

123-456-7890  
**(STO)** **(MENU)**

3. Press **(F)** and scroll to "DUAL MARK".

**(MENU)**  
LINK MARK  
DUAL MARK  
HYPHEN

4. Press **(F)**.  
The Dual Mark "\ " is inserted.

23-456-7890 \ 1  
**(STO)** **(MENU)**

5. Enter **(9WXYZ)** **(8TUV)** **(7PQRS)** **(6MNO)** **(5JKL)** **(4GHI)** **(3DEF)** **(2ABC)** **(1)** **(0OP)**.

987-654-3210  
**(STO)** **(MENU)**

6. Press **(STO)** **(STO)**.

Address:       
Auto: 05  
**(STO)** **(OPTION)**

7. Enter **(0OP)** **(8TUV)** and press **(F)** **(F)**.

#08 Stored  
93 Empty  
6 Used

**Note:** You can add a second number after storing a first number. See *To Enter a Second Number* on page 34.

## To Store a Name with the Phone Number

To use this procedure, you will need to refer to "Alpha Mode" below.

1. Enter the phone number.
2. Press **(STO)** to select the Alpha Mode.
3. Enter the name.
4. Press **(STO)**, then enter the memory address (01 through 99) to store the number with the name into memory.

**Example:** To store the phone number 1 2 3 4 5 6 7 8 9 0 with the name Mr. JACKSON into memory address 11.

1. Enter the phone number;

**(1)** **(2ABC)** **(3DEF)** **(4GHI)** **(5JKL)** **(6MNO)** **(7PQRS)** **(8TUV)** **(9WXYZ)** **(0OP)**.

123-456-7890  
**(STO)** **(MENU)**

2. Set Alpha Mode; **(STO)**

Enter Alpha!  
**(STO)** **(U+):XPH**

3. Enter the Name;

**(6MNO)** for "M",  
**(V+)** **(7PQRS)** **(7PQRS)** **(7PQRS)** for "r",  
**(%VND)** **(6MNO)** for ".", **(V+)** **(5JKL)** for "J", **(2ABC)** **(F)** for "A", **(2ABC)** **(2ABC)** **(2ABC)** for "C", **(5JKL)** **(5JKL)** for "K",  
**(7PQRS)** **(7PQRS)** **(7PQRS)** **(7PQRS)** for "S", **(6MNO)** **(6MNO)** **(6MNO)** **(F)** for "O", and **(6MNO)** **(6MNO)** for "N".

Mr. JACKSON  
**(STO)** **(U+):XPH**

4. Press **(STO)**.

Address:       
Auto: 05  
**(STO)** **(OPTION)**

5. Enter **(1)** **(1)** and press **(F)** **(F)**.

**(1)** **(F)**

#11 Stored  
92 Empty  
7 Used

## Alpha Mode

You can add an identifying name ("Alpha Tag" up to 2 lines or 20 to 24 characters) to the phone numbers at each phonebook address.

### To Enter Names using Alpha (Letters)

1. Press **(CLR)**, then enter the phone number.
2. Press **(STO)**.

Enter Alpha!  
**(STO)** **(U+):XPH**

3. Press digit key repeatedly to display the letter that you want. The following table shows which character is assigned with each digit key. For example, to enter the letter "D", press **[3 DEF]** once. For the letter "F", press **[3 DEF]** 3 times.

#### Assigned Alpha Characters

Key	1 press	2 press	3 press	4 press	5 press
1	Blank	1			
2 ABC	A/a	B/b	C/c	2	
3 DEF	D/d	E/e	F/f	3	
4 GHI	G/g	H/h	I/i	4	
5 JKL	J/j	K/k	L/l	5	
6 MNO	M/m	N/n	O/o	6	
7 PQRS	P/p	Q/q	R/r	S/s	7
8 TUV	T/t	U/u	V/v	8	
9 WXYZ	W/w	X/x	Y/y	Z/z	9
0 OPER	0				

4. To change from upper to lower case characters or vice versa, press **[V]** during entry of Alpha.
5. To enter special characters, press **[X/V]** or **[Z/V]** and a digit key to select characters from the table below.

#### Assigned Special Characters

[X/V]	[Z/V]
1 !	1 (
2 ?	2 )
3 _	3 :
4 +	4 <
5 -	5 >
6 .	6 &
7 *	7 "
8 /	8 '
9 =	9 #

6. If you make a mistake, press **[CLR]** to erase the last character. Press and hold **[CLR]** to erase all the characters on the display.
7. Press **[F]** to move the cursor, which inserts a blank space after the last character.
8. Press **[B]** to move the cursor back to insert new characters.
9. To exit the Alpha Mode, press **[END]**.

**Note:** You must enter the phone number first, then add the name. Entering a number after the name will erase the name.

### To Store a Ring Type with the Phone Number (Distinctive Ringing)

You can choose one of 15 ring types for each phonebook address. With this feature, you will be able to distinguish who is calling by hearing the ringing tone. The ring type is selected while storing the number when the word "OPTION" appears.

**Example:** To store a number with Ring Type #02 in the address 12.

1. Enter the phone number, and press **[STO]** **[STO]**.

Address: Auto:05  
[STO] OPTION▶

2. Press **[F]** and scroll to "RING TYPE".

OPTION  
[RING TYPE] ▶  
SECRET

3. Press **[F]** and scroll to one of the numbers, which you want to set.

TEL NUMBER  
123-456-7890  
987-654-3210  
SELECT▶

4. Press **[F]** and scroll to sample the different ring types.

RING TYPE  
COMMON  
RING#01  
RING#02 ▶

5. Press **[F]** to set the new ring type.

Address: Auto:05  
[STO] OPTION▶

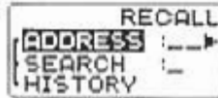
6. Enter **[1]** **[2ABC]** and press **[F]**.

#12 Stored  
91 Empty  
8 Used

- Notes.** 1. If you have one number only, the step 3 is skipped.
2. The "COMMON" shown in the step 4 is the ring type you selected with the Function Menu. See Ring Type Selection (F32) on page 58.

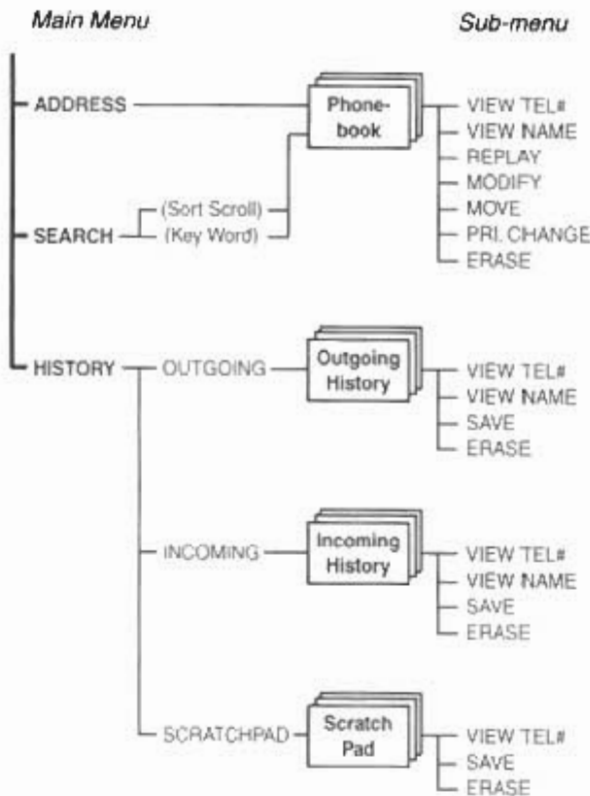
## Recall Menu

Press **[Red]** key. The following "RECALL" menu will prompt you to recall the number from the memory.



- "ADDRESS" Phonebook Address Mode
- "SEARCH": Phonebook Sort Scroll Mode or Phonebook Key Word Search Mode
- "HISTORY" Call History Mode

### Recall Menu Tree



- Notes:**
1. The submenu "PRI.CHANGE" will be available only when two telephone numbers are stored in that address.
  2. The submenu "REPLAY" will be available only when your voice is stored in that address.

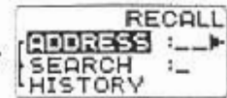
## Phonebook Recall

To recall the numbers stored in your phonebook, you have three methods: Address Mode, Sort Scroll Mode and Key Word Search Mode.

### Phonebook Address Mode

This mode is useful in finding a phone number by recalling a specific address or by scrolling the Phonebook.

1. Press **[Red]**.
2. Enter the two-digit Memory Address.



3. Press **[Up]** or **[Down]** to scroll.

**Note:** The scroll feature will skip any vacant memory address(es).

### Phonebook Sort Scroll Mode

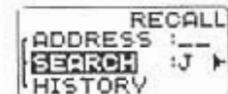
This mode sorts and displays, in alphabetical order, telephone numbers stored with "Alpha Tags" (Names). Blank digits on top will be disregarded for scroll.

**Example:** To display the numbers stored in the memory alphabetically from "J".

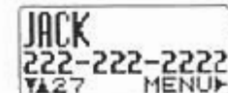
1. Press **[Red]** **[Down]**.



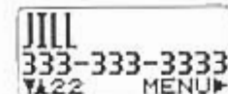
2. Press **[5]** for "J".



3. Press **[Right]**.



4. Press **[Down]**.



5. Press **[Down]**.

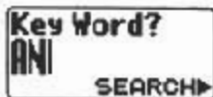
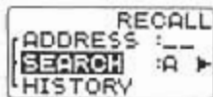


**Note:** When the Alpha Tag is 2 lines long, only the Alpha Tag is displayed without the telephone number. However, a call can still be made by simply pressing **[Call]**.



**Example:** To search the character string AN stored in the Phonebook.

1. Press .
2. Press for "A".
3. Press for "N".
4. Press .
5. Press .
6. Press .
7. Press .
8. Press .



## To Dial Dual Numbers

After the number is recalled in the display, it can be easily called by pressing .

- To dial the primary number, just press .
- To dial the secondary number, press .



## To Review Long Numbers

This feature allows you to review all the digits of very long numbers or numbers stored with Alpha Tags.

1. Use any of the previously described Phonebook search modes to recall a number.
2. Press and scroll to "VIEW TEL#", and the entire digits of the number will be displayed.

## To Review Long Names

This feature allows you to review whole Alpha Name Tag stored with dual numbers.

1. Use any of the previously described Phonebook search modes to recall a number.
2. Press and scroll to "VIEW NAME". Press again, and all the characters of the Name will be displayed.

## Prepending Dialing

This feature will be convenient when you need to add an area code to the number in the phonebook.

**Example:** To add 1 2 3 to a number 4 5 6 7 8 9 0.

1. Recall the number.



2. Enter .



3. Press . Then the call is placed to 123-4567890.

**Note:** The added digits will not be stored in the phonebook memory.

## Phonebook Edit

This section guides you how to modify, move, change priority and erase the phonebook contents.

### To Modify Numbers and Names

You can modify any of the phonebook contents you have stored, including Phone Numbers, Names, Ring Type, Secret and Address.

#### To Modify Phone Numbers

Recall the number from the phonebook.

Press **[F2]** to select "MENU", then scroll to "MODIFY" and press **[F2]**. Enter the new digit(s) and delete the old digit(s) by pressing **[CLR]**. To move the cursor, press **[←]** to left, **[→]** to right.

#### To Modify Alpha Name Tag





Recall the number and proceed to "MODIFY" as above. Press **[STO]**, and the Name Tag will appear by itself. Press **[CLR]** to clear the letter(s), and enter the new Name.

#### To Modify Address

After you modified number/name, just press **[STO]** without entering new address, and the current phonebook address will be overwritten. If you enter a new address, and press **[STO]**, the modified number/name will be copied to the new address, while the original address will remain unchanged.

#### To Enter a Second Number

**Example:** To add the secondary number 9 8 7 6 5 4 3 2 1 0 in the address 07.

1. Recall the number stored in the memory address 07. 
2. Press **[F2]** and scroll to "MODIFY". 
3. Press **[F2]**. 
4. Press **[F2]** and scroll to "DUAL MARK". 

5. Press **[F2]**.  
The Dual Mark " \ " is inserted.



6. Enter **[9][STO]** **[8][TV]** **[7][FON]** **[6][MNO]** **[5][JL]** **[4][OH]** **[3][DEF]** **[2][ABC]** **[1]** **[OPR]**.



7. Press **[STO]** **[STO]**.

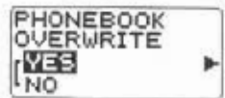


8. Press **[STO]**.


The original number is displayed momentarily.



9. Two seconds later.



10. Press **[F2]** **[←]** **[F2]** to store in the original address.



### To Move Numbers and Names

You can move the phonebook contents to a new address. The original address will then be erased.

**Example:** To move the number 1 2 3 4 5 6 7 8 9 0 from the address 20 to 15.

1. Recall the number stored in the address 20.



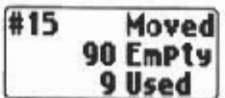
2. Press **[F2]** and scroll to "MOVE".



3. Press **[F2]**.



4. Enter **[1]** **[5][JL]** as a new address.



## To Change Priority of Dual Numbers

### Example:

1. Recall the number.

Primary Number → 123-456-7890  
 Secondary Number → 987-654-3210  
 TAGS MENU▶

2. Press **Ⓜ** and scroll to "PRI.CHANGE".

MENU  
 MODIFY  
 MOVE  
 PRI.CHANGE ▶

3. Press **Ⓜ**.  
 The display shows the status after change.

Ⓜ

4. Press **Ⓜ** to decide it.

*Note: The primary number will be dialed when you use Speed Dialing and Quick Dialing features.*

## To Erase Numbers and Names

This feature erases the number already stored in the Phonebook.

Example: To erase the number 9 8 7 6 5 4 3 2 1 0  
 1 2 3 stored in the memory address 16.

1. Recall the number stored in the memory address 16.

9-87  
 6-543-210123  
 TAGS MENU▶

2. Press **Ⓜ** and scroll to "ERASE".

MENU  
 MODIFY  
 MOVE  
 ERASE ▶

3. Press **Ⓜ** **Ⓜ**.  
 The number is shown again.

9-87  
 6-543-210123  
 16

4. Two seconds later the screen is changed.

ADDRESS  
 ERASE  
 YES  
 NO ▶

5. To erase the number scroll to "YES", otherwise "NO", and Press **Ⓜ**.

## Memory

### To Store a Secret Number

This feature permits you to store a phone number that you want to keep secret in your phonebook. The secret number can be accessed only by entering the security code (see page 53).

Example: To store the phone number 1 2 3 4 5 6 7  
 8 9 0 in address 30 as a secret number.

1. Press **CLR**.

1 (2ABC) 3 DEF 4 GHI  
 5 JKL 6 MNO 7 PQRS 8 TUV 9 WXYZ  
 OPEN

123-456-7890  
 (STO) MENU▶

3. Press **STO** **STO**.

Address: Auto:10  
 (STO) OPTION▶

4. Press **Ⓜ** and scroll to "SECRET".

OPTION  
 RING TYPE  
 SECRET ▶

5. Press **Ⓜ**.

SET SECRET  
 123-456-7890  
 (STO) SET▶

6. Press **Ⓜ** to put a mark "✓" on the number to be secret.

SET SECRET  
 ✓23-456-7890  
 (STO) SET▶

7. Press **STO**.

Address: Auto:10  
 (STO) OPTION▶

8. Enter **3 DEF** **0 OPEN** and press **Ⓜ** **Ⓜ** to store it.

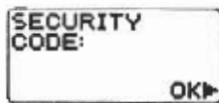
#30 Stored  
 80 Empty  
 19 Used

### To Recall a Secret Number

number.

TAGS CODE▶

2. Press



3. Enter the four-digit security code and press .



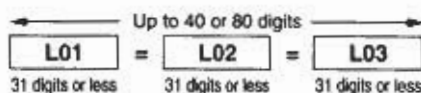
## Link Dialing

This feature permits you to link groups of numbers to be sent in sequence. The linked numbers can be stored in memory. When dialed, the first group of numbers will be sent in digital signaling, and the rest of the numbers will be sent in Touch Tone™ group by group each time you press .

### To Store Linked Numbers in Phonebook

Linked Numbers can be stored using any of the procedures described under memory operations (at a specific address, with a Name Tag, at the next vacant memory location or as secret). The only difference is, that a Link Mark " = " must be entered between the linked numbers. The link mark is entered using the key sequence .

You can store Linked Numbers with Link Marks " = " up to 40 digits for the address 01 to 90, and up to 80 digits for the address 91 to 99 in the phonebook.

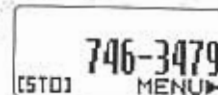


The example on the next page shows how to store a Linked number at a specific memory address.

1. Enter the first number.
2. Press . A link mark " = " will be added at the end of the number.
3. Enter the second number. If you wish to link additional number(s), return to 2.
4. Press , then enter the memory address (01 - 99).

Example: To link 3 numbers and store in Address 35

1. Enter .



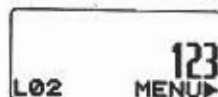
2. Press .



3. Press .



4. Enter .



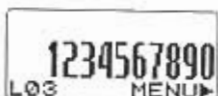
5. Press .



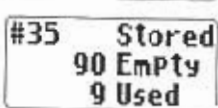
6. Press .



7. Enter .



8. Press .



*Note: While entering a linked number, you may review all the parts of that number, even those already entered.*

*Press , scroll to "VIEW TEL#" and press . The linked numbers you have just entered will be displayed one by one each time you press .*

### To Place Calls using Linked Numbers

1. Press , and select the linked number you want to call. (See **Phonebook Recall** on page 31.)
2. Press . Then the **(INUSE)** indicator will light as the first number is dialed.
3. Press . The second linked number will be sent in Touch Tone™ signals. Succeeding numbers can be sent sequentially by pressing again.

## Voice Activated Dialing (VAD)

With this feature, you can make a call from your phonebook by just saying the name. You can register, in your own voice, names for up to 20 numbers in your phonebook.

### Voice Registration

**Example:** Store the telephone number 1 2 3 4 5 6 7 8 9 0, and register the name "Katie".

1. Enter the telephone number (1 2 3 4 5 6 7 8 9 0).

2. Press **(STO)** **(STO)** **(STO)**.



3. Press **(F2)**.

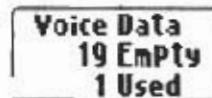
4. After you hear the voice prompt, "Name, please", speak "Katie" into the microphone of the handset. You will hear back "Katie" repeated from the handset.



5. After you hear the voice prompt, "Again", repeat the name "Katie". You will hear "Katie" repeated from the handset again.

6. If the registration is successful, you will hear the prompt "Entry Completed".

7. Your voice registration status is displayed.



8. And your phonebook status is displayed.



- Notes:**
1. Please register names with your normal tone of voice, and in a quiet environment.
  2. For better recognition, it is recommended that very similar sounding names should not be registered.
  3. The maximum length of names that the phone will accept is 2 seconds.
  4. The same person's voice that was used to record the names must be used for dialing, otherwise the VAD feature may not work properly.

### Reviewing the Registered Name

1. Press **(\*)**, and recall the number from the phonebook.



2. Press **(F2)** and scroll to "REPLAY".

3. Place the phone near your ear, and press **(F2)**.

4. You will hear the registered name.

**Note:** Addresses with voice are marked with "V".

### Voice Activated Dialing

**Example:** Dial the number by speaking "Katie".

1. Press and hold **(\*)**.

2. Listen to the phone say "Name, please", then speak into the microphone "Katie".

3. You will hear from the phone, "Calling Katie".

4. Katie's number in the phonebook will be automatically dialed.

5. In case you wish to cancel the call, please say "No" within 2 seconds after you hear "Calling Katie". You can start from the above step 2.

- Notes:**
1. If you hear "Again" from the handset, please repeat the name.
  2. If you hear "Did you say 'Katie'?", please answer to it "Yes" or "No".
  3. When you use this feature through car kit option, it is recommended that you speak slightly louder for better recognition.

### To Register a Name to a Number Stored in Memory

1. Press **(\*)**, and recall the number from the phonebook.

2. Press **(F2)**, scroll to "MODIFY" and press **(F2)** again.

3. Press **(STO)** **(STO)** **(STO)**.

4. Two seconds later, press **(F2)**.

5. You will have the screen "VOICE DATA ENTRY".

6. Press **(F2)** and go to the step 4 of Voice Registration on page 40.

**Note:** In case dual numbers or linked numbers are stored in the phonebook, the primary number or the first number can be dialed using VAD.

## To Delete the Registered Name

1. Press , and recall the number from the phonebook.
2. Press , scroll to "ERASE" and press again.
3. Scroll to "VOICE DATA" and press .
4. You will have the screen "VOICE DATA ERASE". Scroll to "YES" and press .

## Call History

This feature recalls outgoing Call History and incoming Caller ID numbers. This is convenient for redialing recently called numbers or for returning missed calls by using the stored Caller ID. (See **Caller ID with Name** on page 20.)

### Call History Memories

Memory	Description
OUTGOING	Last 10 numbers you dialed. Address 01 to 10.
INCOMING	Last 10 numbers you answered or missed. Address 01 to 10.
SCRATCHPAD	Last 3 numbers you wrote during calls. Address 01 to 03.

You can access the memory in two ways, Scroll and Shortcut.

### By Scrolling

1. Press and scroll to "HISTORY".
2. Press and scroll to the menu item you want.
3. Press to select.
4. To review the numbers in memory, scroll with or .
5. After a number is displayed, it can be easily dialed, by simply pressing .



### Shortcut:

- Press to display the latest number in the outgoing history memory.
- Press to display the latest number in the incoming history memory.

## To Review Outgoing Call History

**Example:** To recall a number from Outgoing History.

1. Press .  
The most recent call is displayed.
2. Scroll with or to review other numbers.
3. You can place a call by simply pressing .

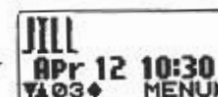
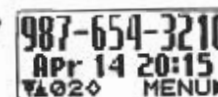


When duplicate numbers are called, only the latest call is stored in the outgoing call history memory.

## To Review Incoming Call History

**Example:** To recall a received Caller ID from Memory Stack.

1. Press .  
The most recent call is displayed.
2. Press . A time stamp is shown, if available.
3. Press .  
A name is shown, if available in your phonebook.
4. You can place a call by simply pressing .



In the incoming call history, the calls are marked with "♦" or "◇". Numbers with "♦" represent calls you missed, and numbers with "◇" represent calls that you answered. When duplicate numbers are received, only the latest call is stored in the incoming call history memory.

## WEB BROWSING

### To Review Scratch Pad

Example:

1. Press .
2. Scroll with or to review other numbers.
3. You can place a call by simply pressing .

### To Save a Number to Phonebook

The numbers of Call History and Scratch Pad Memory can be stored in your phonebook. You can add a name in the same way as "MODIFY". See **To Modify Numbers and Names** on page 34.

Example: To save a received Caller ID to Phonebook.

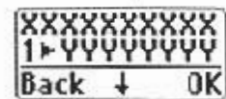
1. Recall a number.
2. Press and scroll to "SAVE".
3. Press .
4. Press .
5. Enter as an address, and press .

When operating in the Digital mode, you can access various internet websites directly from your cellular phone. Please contact your Service Provider for details of the available services. See page 72 for the set-up instructions.

### Web Access

1. Press and hold . The Web Browser will start. The cached information may be displayed.
2. Press and hold , your phone will access the network, and display your service provider's website.

Example:



3. Press or to scroll the menu or displayed text.
4. Press or to select the menu option in the bottom line of the display.
5. To return to the previous page, press .
6. To terminate the network access, press . You can still browse the cached information.
7. Press again to close the web browser.

### Browser Menu

Press key while the browser is active to see the browser's local menu.



1. **Help:** To get help information.
2. **Home:** To get back to the Home page. Press and hold will do the same.
3. **Mark Site:** To store the current page in your bookmark list.
4. **GoTo URL:** To input URL (Uniform Resource Locator), and access that page.
5. **Show URL:** To display the URL of the current page.
6. **Reset UP:** To clear the cache memory in your browser.
7. **About UP:** To display the version of your browser.



browser by  
  
phone.com

## Alpha Entry in Browser Mode

"Alpha" mode will automatically be active when it is necessary to enter alphabet character such as URL.

Example:

Enter URL:	
abc	
alpha	OK

### ALPHA/alpha — Alphabet Mode

Press **(V\*)** to switch upper and lower cases.  
 Press **(←)** to move the cursor to left, and **(→)** to right.  
 To exit the Alphabet Mode, press **(F\*)**.

### SYM — Symbol Mode

By pressing **(SYM)**, "SYM1" (symbol) mode will be active. Scroll "SYM1" to "SYM6" by **(←)** or **(→)**, and press the corresponding digit key (**(1)** to **(6\*)**) to select.

### NUM — Numeric Mode

Press **(NUM)** to set "NUM" (numeric) mode. Press **(NUM)** again to reset to "Alpha" mode.

### Alphabet Mode

Key	1 press	2 press	3 press	4 press	5 press
1	Blank	1	@	/	:
2 ABC	A/a	B/b	C/c	2	
3 DEF	D/d	E/e	F/f	3	
4 GHI	G/g	H/h	I/i	4	
5 JKL	J/j	K/k	L/l	5	
6 MNO	M/m	N/n	O/o	6	
7 PQRS	P/p	Q/q	R/r	S/s	7
8 TUV	T/t	U/u	V/v	8	
9 WXYZ	W/w	X/x	Y/y	Z/z	9
0 OPER	0	.	,	?	!

<b>(SYM)</b>	*	@	-	_	/	\$	%	(	)	+
<b>(NUM)</b>	#	-	.	?	!	'	"	;	:	


### Symbol Mode




	1	2	3	4	5	6
SYM1	.		?	,	-	'
SYM2	"	(	)	@	#	:
SYM3	/	\$	&	%	*	^
SYM4	.	<	>	=		
SYM5	-			-		^
SYM6		\				


## MESSAGING FEATURES

Your CDM-4500 Audiovox Cellular Telephone has been engineered to operate with the latest technology that will allow you to enjoy the benefit of Voice Mail Notification and Text Messages. Please note that operation of these features depends on the Cellular System and therefore may not be available in all areas.

### Message Indicator


A message indicator  shows you the current status as explained below.

 <b>Flashing</b>	You have new Text Messages or new Voice Mail Notification.
 <b>Steady</b>	You have Text Messages or Voice Mail Notification, which you have seen already.
 <b>off</b>	Neither Text Message nor Voice Mail Notification.

In addition to the  indicator, whenever your Voice Mail contains unreviewed messages, you will occasionally hear a short beep as a reminder.


## Voice Mail

### Voice Mail Notification

Your cellular telephone notifies you when new messages are in your Voice Mail. When messages are left in your Voice Mail, the  indicator at the upper right of the display flashes to alert you.

#### Normal Voice Mail Notification

When your phone is notified by the cellular system that there are messages in your Voice Mail, the following occurs.

1. The phone sounds a short beep tone.
2. The  indicator at the upper right of the display flashes to alert you.

The display indicates "NEW MESSAGE" with animation.



3. The Phone's Memory Stack is updated as to the number of unreviewed messages in your Voice Mail.



### Voice Mail Notification with Mail Retrieval Service (MRS)

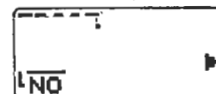
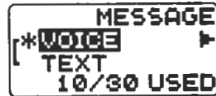
1. The phone sounds a short beep tone.
2. Press to answer the incoming call, your phone will be connected to your Voice Message Service so that you may retrieve your messages.
3. If you choose not to answer the incoming call, "Message Retrieval" will be stored in the stack for retrieval of your messages at a later time.



### To Display the Number of Voice Mail Messages

#### Example:

1. Press . A mark "\*" is flashing, when a new message is available.
2. Press to select "VOICE".  
The number of messages in your Voice Mail will be displayed.
3. If a Text Message is attached to the Voice Mail Notification, the Text Message can be reviewed by . Otherwise this step is skipped.
4. Press . Scroll to "QUIT" or "ERASE" the notification you reviewed.
5. Press .
6. To erase the Voice Mail Notification, scroll to "YES", otherwise "NO", and press .



### Voice Mail Dialing

You can store one set of linked numbers in a specially provided memory, and access these numbers with one touch of the "Voice Mail Access" key .

### To Store the Voice Mail Access Number

Please see **To Store Linked Numbers in Phonebook** on page 38, and follow the steps 1 ~ 3 to make a set of linked numbers. Press to store. Up to 80 digits of linked numbers can be stored including link mark "=" . You can also add a Name Tag (up to 20 to 24 characters) with your voice mail number. (See **To Store a Name with Phone Number** on page 27.)

### To Call Your Voice Mail

1. Press and hold . The first number will be displayed and dialed.
2. Press . The second number will be displayed and sent in Touch Tone™ signal.
3. The succeeding numbers can be sent sequentially by pressing .

### To Review the Voice Mail Access Number

1. Press to select the Phonebook Address Mode.
2. Press . The first linked number in will be displayed.
3. Press (one or more times) to display the remaining linked numbers in .

### Text Messages (Short Message Service)

Your phone is able to receive and display Text Messages of up to 255 characters long. The Text Message memory stack can store up to 30 messages. When an SMS message is received, the following occurs.

1. A short beep tone sounds.
2. The indicator at the upper right of the display flashes to alert you.  
The display indicates "NEW MESSAGE" with animation.
3. The Text Message just received is stored in the Memory Stack. To review stored messages, see **To Review a Text Message** on page 50.
4. If the Memory Stack is full, any new Text Messages will not be stored, and you will have the display:



## To Review a Text Message

Text messages are stored in the address 01 to 30 in the memory stack. The address 01 has the last message. Every message moves to the next address when a new message is stored.

**Example:** To display a Text Message stored in the Memory Stack.

- Press and scroll to "TEXT". You have now 10 Text Messages out of 30 memories. A mark " \* " is flashing, when a new message is available.
- Press . The first Text Message is displayed. A longer message will be automatically scrolled every 6 seconds.
- Press or wait for 6 seconds to review an optional information.
- Press or wait for 6 seconds. If a Callback Number is displayed, you can dial it by simply pressing .
- Press and scroll "QUIT" or "ERASE" for the message that you just reviewed.
- Press to select.
- To erase the Text Message, scroll to "YES", otherwise "NO", and press .
- To review another message, scroll with or .

**Notes:** New Text Messages are marked with "◆". Text Messages you have already reviewed are marked with "◇".

## FUNCTION MENU

### To Access Function Menu

Various phone settings can be changed through Function Menu to customize your phone's functions to fit your convenience. See **Function Menu Tree** in the following page. You can reach the Function you want to access in two ways; Scroll and Shortcut.

#### By Scrolling

- Press to enter Main Menu.
- Scroll with or key to the desired item in the Main Menu.
- Press to enter the submenu.
- Scroll with or key to the desired item in the submenu.
- Press to enter the function.

#### By Shortcut

Each Function has its shortcut number for direct access. For example, to enter the function "RINGTYPE" (F32), press .

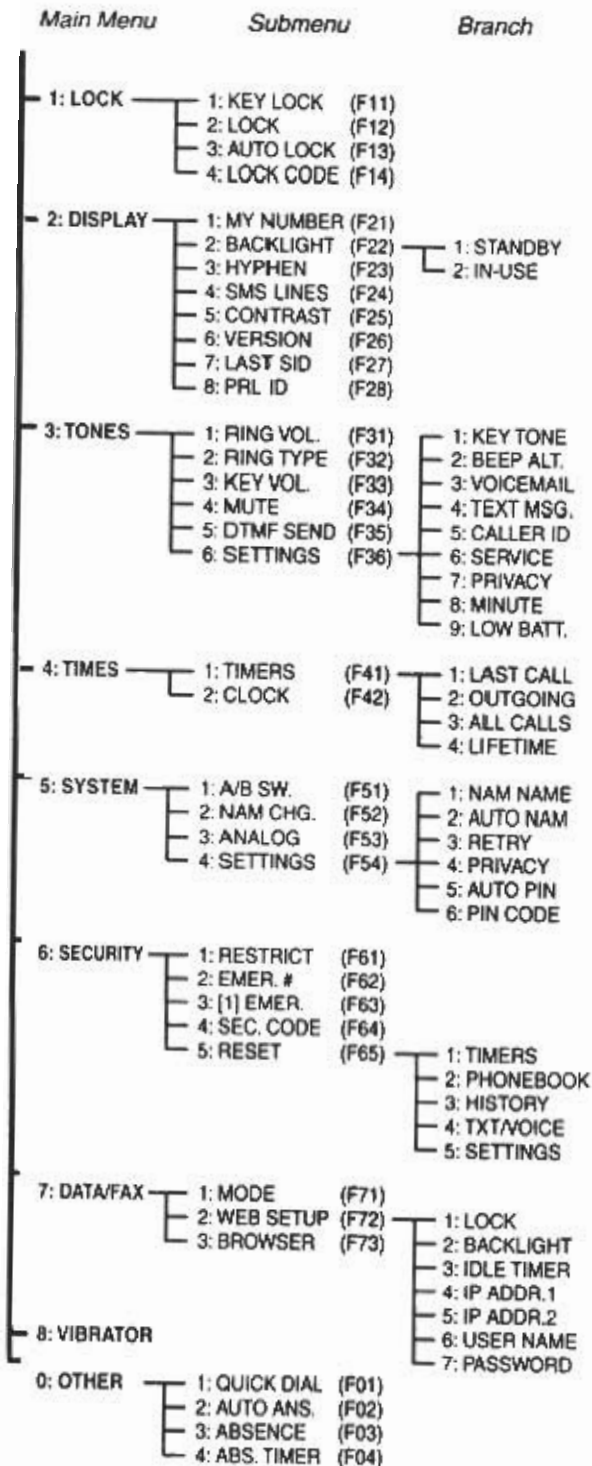
#### To Exit from Function Menu

- To return from a submenu to the main menu, press .
- To exit from Function Menu, press .

**Notes:** 1. A mark "▶" at the right in a menu prompt you that you can see its detailed items by pressing .

2. A mark "✓" shows the current setting of the function.

## Function Menu Tree



## Lock Features

### Security Code and Unlock Code

Your phone is equipped with the Security Code and the Unlock Code to access various security features. You may change the preset codes for added protection.

Code	Preset	Description
Security Code	1234	To access Secret Number, to set Call Restriction, etc.
Unlock Code	1234	To unlock the Phone


See **To Change the Security Code (F64)** on page 69

See **To Change the Unlock Code (F14)** on page 54.


### Keypad Lock (F11)

This mode is useful for preventing inadvertent pressing of keys. (For example, when the phone is in a purse or pocket.)




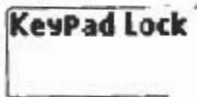



With this feature on, the following functions are still available.

- Incoming calls can be answered with .
- Programmed emergency numbers can be called. (Except for **OneTouch Emergency Call**.)

When this feature is on, the following functions are not available.



- Automatic Answering
- Any Key Answering
- OneTouch Emergency Call
- Quick Dialing
- Turning off the phone by .

**To Activate/Deactivate this Feature:**

1. Press    to activate "Keypad Lock" mode. 
2. Press    again to deactivate.

## Phone Lock (F12)




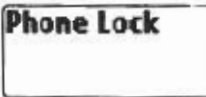
This mode is useful to prevent unauthorized use of the phone. With this feature on, the following functions are still available.

- Incoming calls can be answered with .
- Any Key Answering
- Programmed Emergency Call
- OneTouch Emergency Call
- Turning off the phone by .

The following functions are not available when this feature is on.

- Automatic Answering
- Quick Dialing




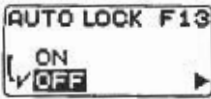



### To Activate:

1. Press    to activate "Phone Lock" mode. 

**Note:** The phone will remain locked even if the power is turned off.

## Automatic Phone Lock (F13)


If you activate this feature, the phone will automatically go into the phone lock condition after it is turned off. (See **Phone Lock (F12)** above.) When you turn the phone on, you must enter the four-digit unlock code before it operates. (See **To Unlock the Phone** below.)

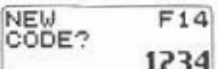
1. Press   . 
2. You can turn this feature on/off by  or .
3. Press  to set.

## To Unlock the Phone

1. Enter the four-digit unlock code.
2. The "Phone Lock" indicator will go out.

## To Change the Unlock Code (F14)

1. Press   . 
2. Enter the four-digit security code and press .

3. The current unlock code will be displayed. 

4. Enter a new four-digit unlock code and press .

## Display Features

### Own Telephone Number Display (F21)










This feature enables you to display your own telephone number and the ID number (SID) of your "Home" Cellular System.

- Press   . 


### Backlight Control (Standby) (F22-1)

The LCD display and keypad are backlit automatically after Power-On.

The backlighting duration can be changed. Four modes are available.

1. Press   . 
2. Press . 
3. You can change the current mode by  or .
4. Press  to set.

#### • 10SEC – 10 Seconds Mode

Backlight is on for 10 seconds after a key is pressed. It also lights automatically when the power is turned on and for an incoming call. The duration is variable between 5 to 30 seconds, by pressing .

#### • OFF – Off Mode

Backlight is on momentarily when the power is first turned on, but remains off thereafter.

#### • ALWAYS ON – Always On Mode

Backlight is always on.

**Note:** You can keep the backlight on while you are engaged in a conversation. See **Backlight Control (In-Use) (F22-2)** on page 56.

## Backlight Control (In-Use) (F22-2)

For ease of operation, you may select to have the backlight always on while you are engaged in a conversation. When this feature is set to the "ALWAYS ON" mode, the backlight is turned on as long as the call is connected.

1. Press , and scroll to "IN-USE".
2. Press .
3. Scroll with or to "NORMAL" or "ALWAYS ON".
4. Press to set.

## Auto Hyphenation (F23)

See **Auto Hyphenation** on page 24.

1. Press .
2. Scroll with or to "ON" or "OFF".
3. Press to set.

## SMS Text Lines Selection (F24)

You can select to have Text Messages displayed in either 3 or 4 lines.

1. Press .
2. Scroll with or to "3LINES" or "4LINES".
3. Press to set.

## Contrast Control (F25)

The LCD display contrast can be adjusted in 7 steps for your best condition.

1. Press .
2. Adjust the contrast with or .
3. Press to set.

## Software Version Review (F26)

This feature permits you to review the software version which is installed in your phone.

1. Press .
2. Press to exit.

## Last Rescan SID Indicator (F27)

This menu item permits you to view the **System Identification number (SID)**, which your phone is currently using.

1. Press .
2. Press to exit.

## PRL ID Review (F28)

This menu item permits you to view the **Preferred Roaming List (PRL)** version that is programmed in your phone.

1. Press .
2. Press to exit.

## Volume and Tone Controls

### Alert Tone Volume Control (F31)

1. Press **F31** **3 DEF** **1**.



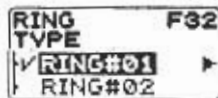
2. Keep pressing **UP** or **DOWN** until you get the desired sound level, or "silent" mode.

**Note:** In "silent" alert mode, alert tone is not given for an incoming call. However, if Automatic Answering feature is ON, alert tone is given with the lowest available volume.

### Ring Type Selection (F32)

This feature permits you to select an alert tone pattern from 15 options including melody ringers.

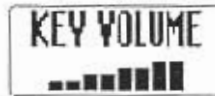
1. Press **F32** **3 DEF** **2 ABC**.



2. Press **UP** or **DOWN** to select the alert tone.
3. Press **F32** to set.

### Key Tone Volume Control (F33)

1. Press **F33** **3 DEF** **3 DEF**.




2. Keep pressing **UP** or **DOWN** until you achieve the desired sound level, or "silent" mode.

**Note:** Key tone will be off in "silent mode", but tone will be heard on the other side of the line.

### To Mute a Phone Conversation (F34)

You can mute your conversation at any time during a call.

1. Press **F34** **3 DEF** **4 ON**.
  2. Then the "Mute" indicator is displayed. The transmit audio will be muted but the receive audio will still be heard from the receiver.
- 
3. To return to normal conversation, press **F34** **3 DEF** **4 OFF** again.
  4. Mute is reset when the call is terminated.

### Sending DTMF (F35)

This feature allows you to activate or deactivate Sending DTMF (Touch Tone™) when you enter a number during a call.

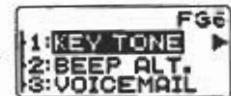
1. Press **F35** **3 DEF** **5 JKL**.
2. Scroll to "ON" or "OFF" to select.
3. Press **F35** to set.



### Setting Tones (F36)

This is a group of 9 functions related to the setting of tones.

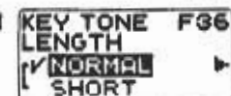
1. Press **F36** **3 DEF** **6 WHO**.  
The Branch Menu is displayed.
2. Refer to the particular functions for details.



### Key Tone Length (F36-1)

This feature selects the duration of the tone length when a key is pressed.

1. Press **F36** **3 DEF** **6 WHO** and **1**.



2. You can change the current mode by **UP** or **DOWN**.
3. Press **F36** to set.

- **NORMAL – Normal Mode**




Tone is heard as long as the key is being pressed.

- **SHORT – Short Mode**

Tone is heard for a short time even if the key remains pressed.




### Single Alert Beep Tone (F36-2)

This feature is used to signal an incoming call with only a single beep. This feature can only be used with the "silent" alert mode. See **Alert Tone Volume Control (F31)** on page 58.

1. Press **F\*** **3 DEF** **6 MNO** and **2 ABC**.  

2. You can turn this feature on/off by  or .
3. Press **F\*** to set.

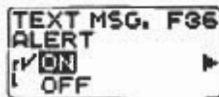


### Voice Mail Alert (F36-3)

This feature audibly alerts you when a Voice Mail Notification is received. A Voice Mail Notification is received if your Voice Mail contains messages that have not been reviewed.

1. Press **F\*** **3 DEF** **6 MNO** and **3 DEF**.  

2. You can turn this feature on/off by  or .
3. Press **F\*** to set.

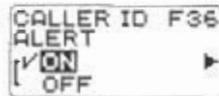


### Text Message Alert (F36-4)

This feature audibly alerts you when a Text Message is received.

1. Press **F\*** **3 DEF** **6 MNO** and **4 GHI**.  

2. You can turn this feature on/off by  or .
3. Press **F\*** to set.

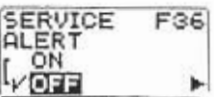


### Caller ID Alert (F36-5)

This feature audibly alerts you when a Caller ID is received.

1. Press **F\*** **3 DEF** **6 MNO** and **5 JKL**.  

2. You can turn this feature on/off by  or .
3. Press **F\*** to set.




### Service Mode Alert (F36-6)

With this feature on, an audible tone alerts you when the service mode changes from Digital to Analog, or vice versa.

1. Press **F\*** **3 DEF** **6 MNO** and **6 MNO**.  

2. You can turn this feature on/off by  or .
3. Press **F\*** to set.




### Voice Privacy Alert (F36-7)

This feature audibly alerts you when the voice privacy service is provided, and also when the service is canceled.

1. Press **F\*** **3 DEF** **6 MNO** and **7 PQRS**.  

2. You can turn this feature on/off by  or .
3. Press **F\*** to set.

### One Minute Beep Tone (F36-8)




With this feature on, you will be notified during a call once every minute by a short beep tone. In addition, two beep tones will sound every five minutes.

1. Press **F\*** **3 DEF** **6 MNO** and **8 TUV**.  

2. You can turn this feature on/off by  or .
3. Press **F\*** to set.

### Low Battery Alarm (F36-9)

When activated, this feature warns by an audible alarm when the battery level is low.

If the alarm is given, recharge the battery or replace it with a fully charged battery.

1. Press **F\*** **3 DEF** **6 MNO** and **9 WXYZ**.  

2. You can turn this feature on/off by  or .
3. Press **F\*** to set.

## Call Timers

To help you manage your calls, your phone is equipped with several Call Timers.

### Last Call Timer (F41-1)

1. Press **F41** (4) **1**.

The talk time of the last call will be displayed.

```
TIMERS F41
1M23S
1:LAST CALL
2:OUTGOING
```

2. Press **F41** to exit.

### Outgoing Call Timer (F41-2)

1. Press **F41** (4) **1** and **2** (ABC). The cumulative

talk time of all outgoing calls will be displayed.

```
TIMERS F41
34M56S
2:OUTGOING
3:ALL CALLS
```

2. Press **F41** to exit.

### All Calls Timer (F41-3)

1. Press **F41** (4) **1** and **3** (DEF). The cumulative

talk time of all incoming and outgoing calls will be displayed.

```
TIMERS F41
1H23M45S
3:ALL CALLS
4:LIFETIME
```

2. Press **F41** to exit.

**Note:** The above three timers can be reset to zero by using "Call Timer Reset" feature. See page 70.

### Lifetime Timer (F41-4)

1. Press **F41** (4) **1** and **4** (OK). The cumulative

"lifetime" talk time of all incoming and outgoing calls will be displayed.

```
TIMERS F41
12H34M56S
4:LIFETIME
1:LAST CALL
```

This timer cannot be reset to zero.

2. Press **F41** to exit.

### Clock Indicator (F42)

When the phone is in an area with digital service (Digital Mode) with this feature enabled, the date and time are automatically displayed.

1. Press **F42** (4) **2** (ABC).

```
CLOCK F42
ON OFF
```

2. You can turn this feature on/off by **0** or **1**.

3. Press **F42** to set.

## System Features

### A/B System Selection (F51)

This feature permits you to select which Cellular system (A or B) your phone uses. When you turn the phone on, it remembers the last A/B setting and will scan the radio channels based on that setting.

Leave this setting as it has been preprogrammed unless you have a reason to alter the system selection.

**To alter the system selection:**

1. Press **F51** (5) **1**.

The current mode will be displayed.

```
A/B SWITCH F51
AUTO ROAM
HOME
```

2. You can change the current mode by **0** or **1**.
3. Press **F51** to set.

#### • AUTO ROAM – Auto Roam Mode

The phone will scan the priority systems first, and then non-priority systems. For more information as to how this mode works, see Enhanced Roaming below.

#### • HOME – Home Only Mode

You can place or receive calls only within your home area or home affiliated area.

#### • A-ONLY – A-System Only Mode

The phone will scan the A-system only and prevents switching over to the B-system.

#### • B-ONLY – B-System Only Mode

The phone will scan the B-system only.

**Note:** If your LCD displays "AUTO ROAM ONLY", your phone has been pre-programmed to operate in the Auto Roam Mode only.

### Enhanced Roaming

Cellular systems are identified by a number called System Identifier or SID. Your phone is equipped with a Preferred Roaming List (PRL) which can be programmed by your Carrier to take advantage of the families of cellular system (SIDs) that your Carrier owns, or has special billing arrangements with, in different cities.

In your Home System Area, both "No Service" and "Rm" are off in your display. Outside of the Home System in Service Areas closely associated with your Carrier, the phone's display may appear the same as when operating in the Home System.



In areas where your Carrier has Roaming agreements, your phone will display a steady "Rm" indication. If your display indicates a flashing "Rm", you are in a cellular system which is not associated with your Carrier (you can still make or receive calls).

If your display indicates "(No Service)", you may have to change your A/B System Selection or NAM Selection in order to obtain service. If your display indicates "No Service", you are in an area where there is no cellular service.

## NAM Selection (F52)

Some Cellular users may find it beneficial to register their phones with multiple numbers, for different cities where they may frequently travel. To provide this ability, your phone has two NAMs (Number Assignment Modules) enabling up to two registrations.

If you have multiple registrations, the NAM Selection feature enables you to change the NAM being used by your phone. Do not use this feature, if you do not have multiple registrations.

### To change NAMs:

1. Press  $\text{F}$   $\text{5}$   $\text{J}$   $\text{K}$   $\text{L}$   $\text{2}$   $\text{A}$   $\text{B}$   $\text{C}$ .

NAM CHANGE F52  
 ✓ #1 4567890  
 #2 6543210

2. You can change the current NAM by  $\text{1}$  or  $\text{2}$ .
3. Press  $\text{F}$  to set.

## Force Analog Call (F53)

This feature temporarily directs the phone to use the Analog Mode even if the Digital Mode has been previously selected.

1. Press  $\text{F}$   $\text{5}$   $\text{J}$   $\text{K}$   $\text{L}$   $\text{3}$   $\text{O}$   $\text{F}$ .

FORCE ANALOG F53  
 YES  
 NO

2. Press  $\text{F}$  when scanning the Analog Mode.

**Notes:** This feature automatically ends if:

- 1) The phone is turned off.
- 2) An outgoing call is made.
- 3) An incoming call is received.
- 4) After 10 minutes if items 1) - 3) did not occur.

## System Settings (F54)

This is a group of several functions for settings related to the system.

1. Press  $\text{F}$   $\text{5}$   $\text{J}$   $\text{K}$   $\text{L}$   $\text{4}$   $\text{O}$   $\text{N}$ .  
The Branch Menu is displayed.

F54  
 1: NAM NAME  
 2: AUTO NAM  
 3: RETRY

## NAM Name Display (F54-1)

You can program a greeting or a name of a maximum 10 to 12 characters in the second line of your LCD display. This will be displayed when the phone is turned on or when you change the NAM. (See NAM Selection (F52) on page 64.) As you can program different name for each NAM, you can tell which NAM is currently active when you turn the phone on.

1. Press  $\text{F}$   $\text{5}$   $\text{J}$   $\text{K}$   $\text{L}$   $\text{4}$   $\text{O}$   $\text{N}$  and  $\text{1}$ .

NAM NAME F54  
 TAG  
 #1 <NO NAME>  
 #2 <NO NAME>

2. You can select other NAM by  $\text{1}$  or  $\text{2}$ .

NAM NAME F54  
 [STO] [U\*]:X]X]

Then press  $\text{F}$  to edit.

3. Enter your message.  
(See Alpha Mode on page 27.)
4. Press  $\text{S}$   $\text{T}$   $\text{O}$  to store the message.

## Automatic NAM (F54-2)

If you have multiple NAM registrations (see previous description), your phone will recognize NAMs for which you are registered. The phone will then automatically switch to the proper NAM for the area in which you are in.

1. Press  $\text{F}$   $\text{5}$   $\text{J}$   $\text{K}$   $\text{L}$   $\text{4}$   $\text{O}$   $\text{N}$  and  $\text{2}$   $\text{A}$   $\text{B}$   $\text{C}$ .

AUTO NAM F54  
 ON  
 ✓ OFF

2. You can turn this feature on/off by  $\text{1}$  or  $\text{2}$ .
3. Press  $\text{F}$  to set.

## Automatic Retry (F54-3)

With this feature on, your telephone will automatically make up to seven call attempts when the first try is not successful.

The **INUSE** indicator will stay on, and the speaker will be muted. Press to cancel the Automatic Retry.

1. Press and .
2. You can turn this feature on/off by or .
3. Press to set.

### Enhanced Voice Privacy Service (F54-4) (Digital Mode Only)

This feature requests the cellular system to provide the enhanced voice privacy service. This service can only be provided in the Digital Mode, and its availability depends on the cellular system and your service provider.

#### To Set the Enhanced Voice Privacy Mode:

1. Press and .
2. To request the cellular system to provide the enhanced voice privacy service, select "ENHANCED" with or , and press .
3. When the phone is operating in the Enhanced Voice Privacy Mode, "VP" appears in the upper line of the display during talking.
4. To request the cellular system not to use the enhanced voice privacy service, select "STANDARD" with or , and press .

- Notes:**
1. This feature must be activated before the call is initiated.
  2. Even if the standard mode is selected, the cellular system may direct the phone to use the Enhanced Voice Privacy Mode.

### Anti Fraud Security Features

Your new Audiovox Cellular telephone has been engineered with the latest technology to help protect from the fraudulent use of your cellular telephone number. Your phone is equipped with Authentication and PIN (Personal Identification Number) Dialing. (Availability of these features depends on your Service Provider). Should your Service Provider require use of a PIN, your PIN can be sent manually or programmed into the phone for more convenient use.

### To Place a Call with the Manual PIN Entry

1. Enter the number you are calling, or recall the number from a specific memory location.
2. Press . Your call will be processed. Listen for a double beep, which will prompt you to send your PIN.
3. Enter your PIN number, and press . Your call will then be placed.

### To Place a Call with the Automatic PIN Feature

1. Enter the number you are calling, or recall the number from a specific memory location.
2. Press "SEND" key . As your call is being processed, you will have the display:
3. Press "SEND" key again. Your call will then be placed.

**Note:** Before you can use this feature, you must program your PIN and turn the Automatic PIN feature on. (See procedures below.)

### To Place a Call to Voice Mail using the Automatic PIN Feature


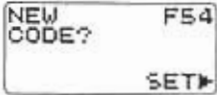
(See Voice Mail Dialing on page 48.)

1. Press for more than one second. As your call is being processed, you will have the display:
2. Press again, your PIN will be sent.
3. Press again. The second number stored in will be sent in Touch Tone™ signals. The subsequent numbers, if any, can be sent sequentially by pressing .

### To Turn the Automatic PIN Feature On/Off (F54-5)

1. Press and .
2. You can turn this feature on/off by or .
3. Press to set.

## To Program or Change your Automatic PIN (F54-6)

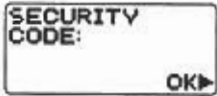

1. Press **F\*** **6 MNO** **4 CHG** and **6 MNO**.  

2. Enter the four-digit security code and press **F\***.  

3. Enter your new PIN Code. Press **F\*** to program.

## Security Features

### Call Restriction (F61)

This feature permits you to impose various kinds of restrictions on outgoing calls. Emergency numbers can be placed even when this feature is on.

#### To Set Call Restriction Mode

1. Press **F\*** **6 MNO** **1**.  

2. Enter the four-digit security code and press **F\***.  

3. You can change the current Restriction mode by **1** or **2**.
4. Press **F\*** to set.

The available Restriction modes are as follows:

- **11DIGITS – 11 Digits Mode**

Only phone numbers of 11 digits or less are accepted. Operator assisted dialing is prohibited.

- **7DIGITS – 7 Digits Mode**

Only phone numbers of 7 digits or less are accepted. Operator assisted dialing is prohibited.

- **OPERATOR – Operator Mode**

Operator assisted dialing (0 Origination Call) is prohibited.

- **RCL01-09 – Phonebook Address Mode**

Only outgoing calls to the numbers stored in the phonebook address range 01 – 09 can be made. If there is a need to expand this range of addresses please ask your dealer.


- **OFF – Off Mode**

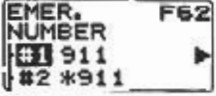
No restriction.

## To Change Emergency Numbers (F62)

You can program your own emergency numbers. Up to 3 numbers of maximum 32 digits can be stored.

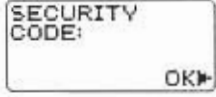
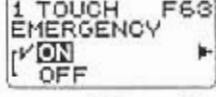
Memory Location	Preset Emergency Number
# 1	911
# 2	*911
# 3	Blank

Press **F\*** **6 MNO** **2 ABC**.  


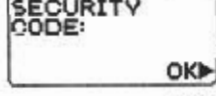
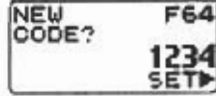
2. Enter the four-digit security code and press **F\***.  

3. Press **1** or **2** to select the emergency number memory location (1, 2 or 3) that you want to change or program, and press **F\***.
4. Enter the new emergency number, and press **F\***.

**Note:** The emergency number in memory location 1 will be dialed when the **OneTouch Emergency Call** feature is used.

## To Turn On/Off OneTouch Emergency Call Feature (F63)

1. Press **F\*** **6 MNO** **3 DEF**.  

2. Enter the four-digit security code and press **F\***.  

3. You can turn this feature on/off by **1** or **2**.
4. Press **F\*** to set.

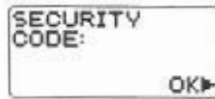
## To Change the Security Code (F64)

1. Press **F\*** **6 MNO** **4 CHG**.  

2. Enter the four-digit security code and press **F\***.
3. The current security code is displayed.  

4. Enter a new four-digit security code and press **F\***.

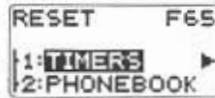
## Reset Functions (F65)

This is a group of several functions for Function/Memory Reset.

1. Press **F65** **6** **5**.



2. Enter the four-digit security code and press **F65**. Then the Branch Menu is displayed.



### Call Timer Reset (F65-1)

This feature resets all the following three Call Timers; Last Call Timer, Outgoing Call Timer and All Calls Timer.

1. Press **F65** **6** **5**.
2. Enter the four-digit security code and press **F65**.
3. Press **1**.

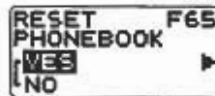


4. Press **F65** to reset the call timers.

### Phonebook All Clear (F65-2)

This feature clears all of Phonebook locations (01 to 99) and the voice mail dialing memory (V+).

1. Press **F65** **6** **5**.
2. Enter the four-digit security code and press **F65**.
3. Press **2**.



4. Press **F65** to clear the memory.

### Call History All Clear (F65-3)

This feature clears all call history for outgoing and incoming calls including Caller ID.

1. Press **F65** **6** **5**.
2. Enter the four-digit security code and press **F65**.
3. Press **3**.

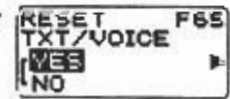


4. Press **F65** to clear the history.

### Text Message & Voice Mail All Clear (F65-4)

This feature clears all Text Messages and the Voice Mail number.

1. Press **F65** **6** **5**.
2. Enter the four-digit security code and press **F65**.
3. Press **4**.
4. Press **F65** to clear the message.



### Function Reset (F65-5)

This feature permits you to reset the User-Programmable functions to their initial settings.

1. Press **F65** **6** **5**.
2. Enter the four-digit security code and press **F65**.
3. Press **5**.
4. Press **F65** to reset.



**Note:** See *Function Reset Status* on page 74.

## Data Communications

### Data/Fax Mode (F71)

Your CDM-4500 will work as wireless modem, if connected to a PC with the optional data cable (DIC-4000). When operating in the Digital mode, the phone can be used for Async Data or Fax at the speed of up to 14.4kbps. Your CDM-4500 also supports QNC (Quick Network Connection) for faster internet access.

#### To Receive Data/Fax Call

1. Press **F71** **1**.
2. Scroll the menu, and press **F71** to select one of the modes described below.
3. To exit the data/fax mode, press **F71** **1**, and scroll to "OFF", then press **F71**.



**DATA:** Data mode until the power is turned off.

**FAX:** Fax mode until the power is turned off.

**DATA ONCE:** Data mode for one call only.

**FAX ONCE:** Fax mode for one call only.

**Note:** "DATA ONCE" or "FAX ONCE" mode will be automatically reset to "OFF" mode after receiving data/fax once, or in 10 minutes.

### To Place Data/Fax Call or Access Internet

It is not necessary to set the phone in data/fax mode.

**Note:** Please refer to the separate instruction of the Data Cable kit for additional details.

## Web Setup Features (F72)

### Web Lock (F72-1)

You can lock the unauthorized access to the internet. If the browser is locked by this feature, you will need to enter your 4 digit Security Code to access the web. Press **F7**, **7**, **2** and **1** to set.

### Web Backlight (F72-2)

You can turn on/off the backlight setting during the web access. Press **F7**, **7** and **2** to set.

### Web Idle Timer (F72-3)

The Web Idle Timer will automatically terminate the access when your phone is left untouched for the programmed time. Press **F7**, **7** and **3** to set.

### Web IP Address 1&2 (F72-4) (F72-5)

**Example:** To set an IP address 123.45.67.89, enter 123 045 067 089 in your phone.

1. Press **F7**, **7** and **4**.
2. Enter your 4 digit Security Code and press **F7**.
3. Enter **1**, **2**, **3**, **0**, **4**, **5**, **6**, **7**, **8**, **9** and press **F7**.
4. Enter the port address, and press **F7**.

### Web User Name (F72-6)

Press **F7**, **7** and **6**. You may program the User Name.

### Web Password (F72-7)

Press **F7**, **7** and **7**. You may program a password.

### Web Browser (F73)

Press **F7**, **7** and **3** to start the Web Browser.

## Vibrator Alert

1. To turn the vibrator alert on, press **F8**, **8**, then scroll to "ON". Press **F8** to select.



2. To turn the vibrator alert off, press **F8**, **8**, then scroll to "OFF". Press **F8** to select.

**Notes:** 1. When the Vibrator Alert feature is on, the audible ringer/melody will be muted.  
2. Be sure to turn the Vibrator Alert feature off when you use the phone in Car Kit option.

## Other Functions

### Quick Dialing (F01)

When this feature is on, the primary number in your phonebook address 02 to 09 can be dialed with just a single press of the key.

1. Press **F0**, **0**, **1**.
2. Scroll to "ON" or "OFF" you want and press **F0**.



### Automatic Answering (F02)

With this feature on, incoming calls will be automatically answered after a preset duration of alert tones. This feature may be convenient when your telephone is installed in the handsfree car kit.

1. Press **F0**, **0**, **2**.
2. Scroll to "ON" and press **F0**.
3. Enter duration (5 to 30) in seconds.
4. Press **F0** to set.



**Note:** This feature will not function if the phone is in "Phone Lock", or "Keypad Lock" mode.

## Function Reset Status

The following functions will return to the initial settings after **Function Reset**.

### Functions

Auto Hyphenation (F23)  
 Text Lines Selection (F24)  
 Contrast Control (F25)  
 Earpiece Volume Control  
 Alert Tone Volume Control (F31)  
 Ring Type Selection (F32)  
 Key Tone Volume Control (F33)  
 Sending DTMF (F35)

Clock Indicator (F42)  
 A/B System Selection (F51)  
 NAM Selection (F52)  
 Automatic NAM (F54-2)  
 Automatic Retry (F54-3)  
 Voice Privacy Service (F54-4)  
 Automatic PIN Mode (F54-5)  
 Call Restriction (F61)  
 OneTouch Emergency Call (F63)  
 Data/Fax Mode (F71)  
 Vibrator (F8)  
 Quick Dialing (F01)  
 Automatic Answering (F02)  
 \*Call in Absence Indicator (F03)  
 \*Safety Timer (F04)

\* Affects Handsfree operation only.

Refer to Handsfree Car Kit (HF-4000) manual

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## WARNING

When using your cellular telephone, please note that the following offenses are punishable by fine, imprisonment, or both:

- Using obscene, indecent, or profane language.
- Using the phone to give off false distress calls.
- Wiretapping or otherwise intercepting a telephone call, unless that person has first obtained the consent of the parties participating in the call.
- Making anonymous calls to annoy, harass, or molest other people.
- Charging to an account without authorization to avoid payment for service.
- Refusing to yield line when informed that it is needed for an emergency call (It is also unlawful to take over a line by stating falsely that it is needed for an emergency).

The CDM-4500 is using one or more of the following US patents licensed by QUALCOMM Incorporated:

4,901,307	5,309,474
5,056,109	5,103,459
5,101,501	5,099,204
5,109,390	5,107,225
5,228,054	5,283,536
5,257,283	5,280,472
5,265,119	5,337,338
5,267,261	5,339,046
5,267,262	5,341,456
5,289,527	

## 12 MONTH LIMITED WARRANTY

AUDIOVOX COMMUNICATIONS CORP. (the Company), warrants to the original retail purchaser of this Audiovox Handheld Portable Cellular Telephone, that should this product or any part thereof (except the items listed below), under normal use and conditions, be proven defective in material or workmanship within the first twelve (12) month period from the date of purchase, such defect(s) will be repaired or replaced (with new or rebuilt parts) at the Company's option, without charge for parts or labor directly related to the defect(s).

The keypad and display are similarly warranted for ninety (90) days from date of purchase.

The accessories consisting of the antenna and rechargeable battery pack, desktop charger are similarly warranted for twelve (12) months from original purchase.

This Warranty does not apply to batteries, fuses, or costs incurred for testing or checking, or to any product or part hereof which has suffered through alteration, serial number defacement, improper installation, excessive temperature or humidity, environmental conditions, mishandling, misuse, neglect or accident. This Warranty is not assignable or transferable.

To obtain repairs or replacement within the terms of this Warranty, the product should be delivered with proof of warranty coverage, specification of defect(s), transportation prepaid, to the Company at the address shown below. For TRAVELERS WARRANTY SERVICE.

Call toll free to (800) 229-1235 (In N.Y. State <sup>631</sup> (516) 233-3410) for reference to an Authorized Warranty Station in your area.

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

## Quick Reference

### Basic Operation

- Turn On/Off
- Place a Call
- Terminate a Call
- Receive a Call
- Clear Last Digit
- Clear All Digits
- Earpiece Volume

The Company disclaims liability for geographic coverage, inadequate signal to antenna, communications range or operation of the Cellular System as a whole.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER.








No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

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

**IN U.S.A.:** AUDIOVOX COMMUNICATIONS CORP.  
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New York 11788  
(516) 233-3300












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### Messaging Features













- Review Voice Mail Number  
- Review Text Messages   , then  or  for scroll

## Quick Reference

### Basic Operation

- Turn On/Off  (more than one second)
- Place a Call  Phone Number, 
- Terminate a Call 
- Receive a Call  Any Key (except  and )
- Clear Last Digit  (less than 0.5 sec.)
- Clear All Digits  (more than 0.5 sec.)
- Earpiece Volume  or  during a call

### Convenience Features

- Store Number in Phonebook , Phone Number,  , Phonebook Address
- Phonebook Dialing , Phonebook Address, 
- Speed Dialing Phonebook Address, 
- Last Number Redial   
- Dial last Number Received   

### Messaging Features

- Review Voice Mail Number  
- Review Text Messages   , then  or  for scroll



## Functions

Mute/Unmute	<b>Fw</b> <b>Fw</b>
Keypad Lock	<b>Fw</b> <b>1</b> <b>1</b>
Lock the Phone	<b>Fw</b> <b>1</b> <b>2ABC</b>
Automatic Lock	<b>Fw</b> <b>1</b> <b>3DEF</b>
Display Own Phone Number & SID	<b>Fw</b> <b>2ABC</b> <b>1</b>
Backlight Control	<b>Fw</b> <b>2ABC</b> <b>2ABC</b>
Last Call Time Display	<b>Fw</b> <b>4GH</b> <b>1</b>
Outgoing Call Time Display	<b>Fw</b> <b>4GH</b> <b>1</b> <b>2ABC</b>
All Calls Time Display	<b>Fw</b> <b>4GH</b> <b>1</b> <b>3DEF</b>
Automatic Answering	<b>Fw</b> <b>0PQRS</b> <b>2ABC</b>
A/B System Selection	<b>Fw</b> <b>5JKL</b> <b>1</b>
Force Analog Call	<b>Fw</b> <b>5JKL</b> <b>3DEF</b>
Async Data/FAX	<b>Fw</b> <b>7MN</b> <b>1</b>
Vibrator Alert	<b>Fw</b> <b>8TUV</b>

## Functions

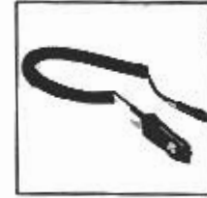
Mute/Unmute	<b>Fw</b> <b>Fw</b>
Keypad Lock	<b>Fw</b> <b>1</b> <b>1</b>
Lock the Phone	<b>Fw</b> <b>1</b> <b>2ABC</b>
Automatic Lock	<b>Fw</b> <b>1</b> <b>3DEF</b>
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Automatic Answering	<b>Fw</b> <b>0PQRS</b> <b>2ABC</b>
A/B System Selection	<b>Fw</b> <b>5JKL</b> <b>1</b>
Force Analog Call	<b>Fw</b> <b>5JKL</b> <b>3DEF</b>

# CDM-4500

## DUAL MODE DIGITAL CDMA TELEPHONE ACCESSORIES



**BTR-4500**  
Standard Lithium  
Ion Battery



**CLP-4000**  
Cigarette Lighter  
Plug-In Charger



**CNR-4000**  
AC Adapter



**DTH-4000**  
Desktop Holder



**DTC-4000**  
Desktop Charger With AC Adapter



**EM-425**  
Earphone Microphone



**LB-4000**  
Leather Carrying Case



**HF-4000**  
Hands Free Car Kit

Not Shown: **PHS-4000** Privacy Handset

## PROTECT YOUR WARRANTY

Read your Warranty carefully, with the special consideration to paragraph seven of the Limited Warranty for your unit.

"Warranty does not apply to...or to any product or part thereof which has suffered through alteration... mishandling, misuse, neglect, or accident".

Many companies are making look-alike accessories and in some cases, promoting that their product is equal to or better than the Audiovox product. Be careful. Some of these products may not be compatible for use with your Audiovox product and may damage the unit or cause it to malfunction. If service is required on your unit, and it is determined that a non-Audiovox accessory has created the problem with your unit, the Warranty will not apply. In addition, if the unit has already suffered irreversible damage by reason of a non-compatible accessory, the Warranty will be voided. To protect your Warranty, use only compatible accessories which cannot damage or interfere with the functioning of your Audiovox product.



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