CDM-9150x

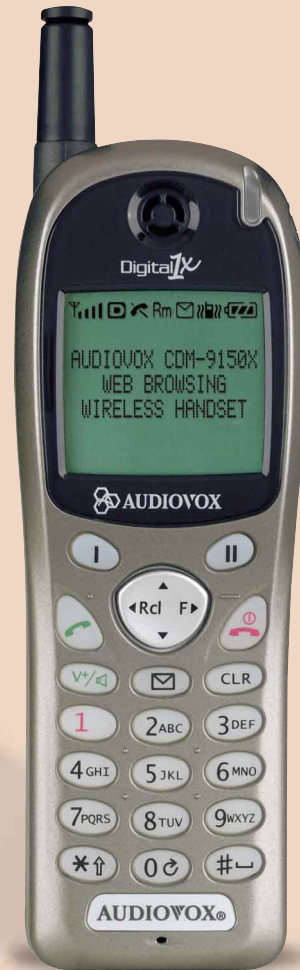**TRI–MODE CDMA DIGITAL 1x WIRELESS HANDSET**

AUDIOVOX®
COMMUNICATIONS CORP.

Digital*1x*

T.ıll D Rm ⊠ ⟩⟩ 📶

AUDIOVOX CDM-9150X
WEB BROWSING
WIRELESS HANDSET

AUDIOVOX

OWNER'S MANUAL

AUDIOVOX®
COMMUNICATIONS CORP.

T9 TEXT INPUT ®

BROWSER BY
OPENWAVE ™

RSA™ SECURE

RECYCLE 1-800-822-8837

Safety
Your most
important call
The Wireless Industry
Reminds You To Use Your
Phone Safely When Driving

AUDIOVOX CDM-9150X

Tri-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 from anywhere at anytime. With that in mind, Audiovox developed the CDM-9150X, our first 1X capable tri-mode handset with web browsing and voice activated dialing features.

This 1X digital handset enables carriers supporting 1X technology to provide consumers with access to high speed connectivity for web browsing, email and mobile ecommerce. Operating on the 800 MHz Amps/CDMA and 1900 MHz PCS frequencies, the CDM-9150X allows for seamless nationwide coverage as well as offering other state-of-the-art, user-friendly features. Voice activated dialing and two-way speakerphone are great for enhancing hands-free use of this phone. T9® Text Input, vibrating alert and a 7-line LCD Display with adjustable text size make the CDM-9150X easier to use. The CDM-9150X also has user changeable faceplates, enabling you to express your individuality through your wireless handset.

Several optional accessories are available for the CDM-9150X, including: hands-free devices, charging devices (vehicle, travel, desktop, AC), data interface cable, belt clip, and of course, color user changeable faceplates.

Your new CDM-9150X provides you with something only an Audiovox phone can: the proven reliability that has made us a leading wireless handset provider. Please take a few moments to read the following pages of the owner's operating manual. It will help you make the most efficient use of this valuable communications tool.

TABLE OF CONTENTS

3

Touch Tone™ is a registered trademark of AT & T.

WARNING : Always read and understand all of the Warnings and Safety Instructions contained in this Manual before attempting to use this Audiovox CDM-9150X Cellular Phone, to help avoid potential hazards that could result in bodily injury or property damage.

Always keep this Manual conveniently available for future reference, as it contains important information that will help effect the safe operation and maintenance of this instrument.

The safety instructions have been classified according to the seriousness of the risk, as follows :

DANGER : "Danger" indicates the existence of a hazard that could result in death or catastrophic bodily injury, if the safety instruction is not observed.

WARNING : "Warning" indicates the existence of a hazard that could result in serious bodily injury, if the safety instruction is not observed.

CAUTION : "Caution" indicates the existence of a hazard that could result in minor bodily injury or property damage, if the safety instruction is not observed.

NOTICE : "Notice" contains general information that relates to the safe operation of the telephone.

Safe Operation of Your Phone

WARNING

- Never attempt to disassemble the phone or any of its accessories. If service or repair is required, return the unit to an Audiovox authorized service center. If the unit should be disassembled, a risk of electric shock or fire may result.

- Always use authorized Audiovox accessories and optional devices when operating this cellular phone, as the use of incompatible auxiliary equipment could result in fire, electric shock or other bodily injury. The use of unauthorized accessories will also void your Warranty.

Protection of Children

- Never allow children to play with your phone, as they might hurt themselves or others (e.g., by poking themselves or others in the eye with the antenna).

- Always keep all accessories and components out of the reach of small children. Small parts, in particular, might present a choking hazard to children.

Use in Vehicles

- Never store or transport flammable liquids, gases or explosive materials in the same compartment as the phone or any of its accessories, as possible sparking in the equipment could ignite a fire or explosion.

- Always secure the phone in its holder, when it is not in use. Never place the phone on the passenger seat or anyplace else in the car where it can become a projectile during a collision or sudden stop.

CAUTION

- Never expose this phone to high temperatures, such as those found near a heater or in a closed car parked in the sun. This can cause heat-damage to the plastic parts, the electronic components and the battery.

- Never drop this phone or subject it to violent impact or shock. This can cause mechanical damage.

- Never allow any liquids to spill on this phone or expose it to rain, water or moisture. This can cause corrosion damage.

- Never store this phone in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit board.

- Never use harsh chemicals, cleaning solvents, or strong detergents to clean this phone. Always clean it with a soft cloth that has been slightly dampened in a mild soap-and-water solution.

- Never paint this phone. This can clog the moving parts.

Before connecting this cellular phone or any of its accessories to any other device, always read the Instruction Manual for that other device first to obtain detailed safety instructions. Never connect this cellular phone to any unauthorized or incompatible auxiliary product that has not been expressly approved by Audiovox.

Safe Operation of Battery Pack

WARNING

- Never short-circuit a battery pack by either accidentally or intentionally bringing the terminals in contact with another metal object. That could result in burns, other bodily injury or a fire, and could also damage the battery pack.

- Never expose the terminals of the battery pack to any other metal object. Always wrap it or place it in a plastic bag, whenever transporting it.

- Never heat and never attempt to disassemble the battery pack, as that could cause leakage of the caustic electrolyte. If the battery is accidentally broken, avoid skin contact with the contents. In the event of skin contact, wash the affected area immediately and obtain prompt medical attention.

- Never attempt to dispose of a battery pack by throwing it into a fire. That can cause the battery pack to explode.

- Never attempt to use an unauthorized battery pack with your phone in order to avoid any risk of bodily injury or property damage. Since unauthorized accessories have different specifications, they may be incompatible with your phone.

WARNING

Safe Disposal of Used Battery Packs

- Never discard a used battery pack with ordinary solid wastes, since it contains toxic substances.

- Always dispose of a used battery pack in accordance with prevailing community regulations relating to the disposal of household toxic wastes. Always cover the metal terminals with insulating tape first, to prevent accidental short-circuiting.

CAUTION

- Always turn your phone OFF before removing the battery pack, and always use the battery pack for its intended purpose only.

- Always use the battery pack supplied by Audiovox, or an approved replacement battery pack, to avoid any risk of damage to your cellular phone.

Safe Operation of AC Adapter

The AC Adapter and the Desktop Charger that were designed by Audiovox for this unit both require the use of a standard 120 V AC power source for their operation.

DANGER

- Never attempt to disassemble or repair an AC adapter or desktop charger, as exposure to electric shock hazards may result. Always contact an Audiovox authorized service center, if repair or replacement is required.

- Never alter the AC cord or plug on your AC adapter or desktop charger. If the plug will not fit into the available outlet, have a proper outlet installed by a qualified electrician. Improper connection can result in the risk of electric shock.

WARNING

- Never allow any liquids or water to spill on the AC adapter or desktop charger when it is connected to an AC power source. There is a risk of fire or electric shock.

- Always use the authorized Audiovox AC adapter or desktop charger to avoid any risk of fire or damage to your cellular phone or battery. Bodily injury or property damage may occur as a result of the use of an unauthorized and incompatible AC adapter or desktop charger.

- Never use an AC adapter or desktop charger if it has a damaged or worn power cord or plug. The use of damaged or worn power cords or plugs could result in electric shock, burns or fire. Contact an Audiovox authorized service center immediately to obtain a suitable replacement.

WARNING

- Always unplug the AC adapter or desktop charger from the power source before attempting any cleaning in order to avoid the risk of electric shock. Always use a soft cloth dampened with water to clean the equipment, after it has been unplugged.

- Never attempt to use an unauthorized AC adapter or desktop charger with your phone in order to avoid any risk of bodily injury or property damage. Since unauthorized accessories have different specifications, they may be incompatible with your phone.

CAUTION

- Always confirm that the power cord for any accessory is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.

- Never place heavy objects on a power cord, as this could result in damage to the cord.

- Never bend or twist a power cord, and never pull on a power cord in a attempt to remove an AC adapter or accessory plug from a socket. Always grasp the AC adapter or the accessory plug directly when unplugging the device in order to avoid damaging the cord.

- Always disconnect the AC adapter or desktop charger from the power source when it is not in use.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

Read this information before using your handheld portable Cellular Telephone.

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.

FCC RF EXPOSURE INFORMATION

In August 1996, the Federal Communications Commission (FCC) of the United States, with its action in Report and Order FCC 96-326, adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.

Use only the supplied or an approved antenna. Unauthorized antennas, damaged antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations. Please contact your local dealer for replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations with the BC-9100 belt-clip and LB-9100 holster models, offered by Audiovox as an accessory to this phone, and found to comply with FCC RF exposure requirements. Third-party belt-clips, holsters and similar accessories should be avoided, as they have not been tested and may not comply with FCC RF exposure limits.

For more information about RF exposure, please visit the FCC website at www.fcc.gov .

PHONE OPERATION

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

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 hands-free 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.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

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

Posted Facilities

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 marked clearly. Potential areas may include: fueling areas (such as gasoline stations); below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles (such as grain, dust, or metal powders); and any other area where you would normally be advised to turn off your vehicle engine.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including either 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.

SAR INFORMATION

THIS MODEL PHONE MEETS THE GOVERNMENT'S RE-QUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.* Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.49 W/kg and when worn on the body, as described in this user guide, is 1.25 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID CJ6DCE44941A.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) web-site at http://phonefacts.net.

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

SYSTEM CONFIGURATION

System configuration and the equipment list are as shown below.

Retractable
Whip Antenna

① Handheld Portable
Telephone

② Lithium Ion
Battery Pack
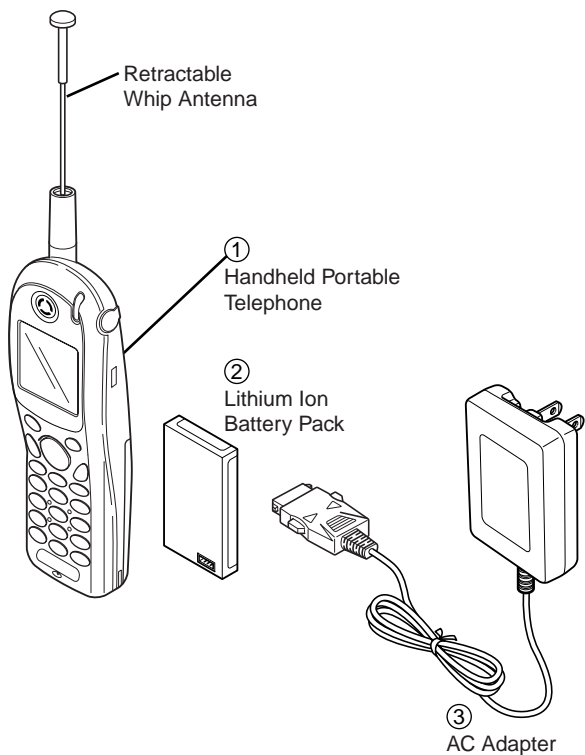
③ AC Adapter

List of Equipment

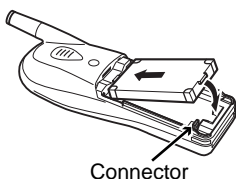| No.	Name of the Equipment
①	Handheld Portable Telephone
②	Lithium Ion Battery Pack (BTR-9100)
③	AC Adapter (CNR-9100)

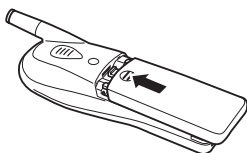# *BATTERY INSTALLATION AND RECHARGING*

To Attach the Battery Pack

1. Press and slide the battery cover to remove it.
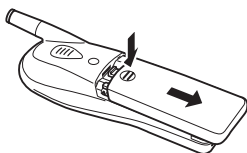
2. Place the BTR-9100 battery pack in the battery cavity so that it fits over the connector.

   Connector

3. Slide the cover back to snap it on.

To Detach the Battery Pack

1. Press and hold 🕾 key to turn the phone off. Then press and slide the battery cover to remove it.
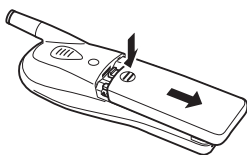
2. Lift the battery pack up to take it out.
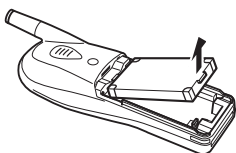
To Recharge the Battery

Your CDM-9150X phone has a built-in charger function. To recharge the Battery Pack, always insert the Battery Pack into the phone's battery cavity.

1. Insert the BTR-9100 Battery Pack into the phone's battery cavity.
2. If the phone is on with the Υ indicator displayed, press and hold 🔄 to turn the phone off.
3. Insert the flat connector end of the CNR-9100 AC Adapter into the connector port on the bottom of the phone.
4. Plug the AC Adapter to AC120V outlet.
5. Recharging will begin. The display will read "**Now Charging**" with animation and the 🔋 indicator will scroll in the upper right corner of the display. Also, the Charging Indicator at the top of the phone will light green.

6. When recharging is completed, the phone displays "**Fully Charged!**".
7. Disconnect the AC Adapter from the outlet.
8. Press and hold in the buttons on the flat connector of the AC Adapter and pull the connector away from the phone.
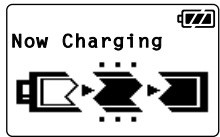
The recharging time, from empty to full, depends on the environmental temperature, 0 to +35 °C.

Battery Type	Recharging Time
Lithium Ion Battery Pack (BTR-9100)	1.5 to 2 h

Notes:
1. For complete recharging, it is recommended that the phone be turned off during recharging.
2. It is normal for the battery to become a little warmer during recharging.
3. Do not feed power to the phone without the battery pack attached.
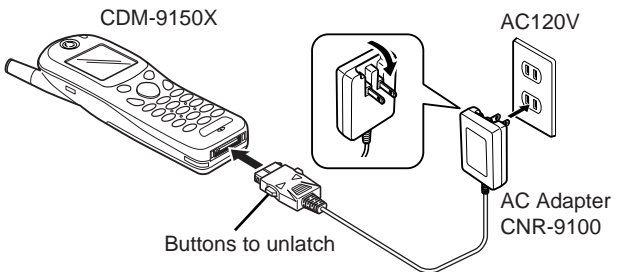
To Recharge with Desktop Holder

You can also recharge the phone using the CNR-9100 AC Adapter and the optional accessory DTH-9100 Desktop Holder as illustrated below.
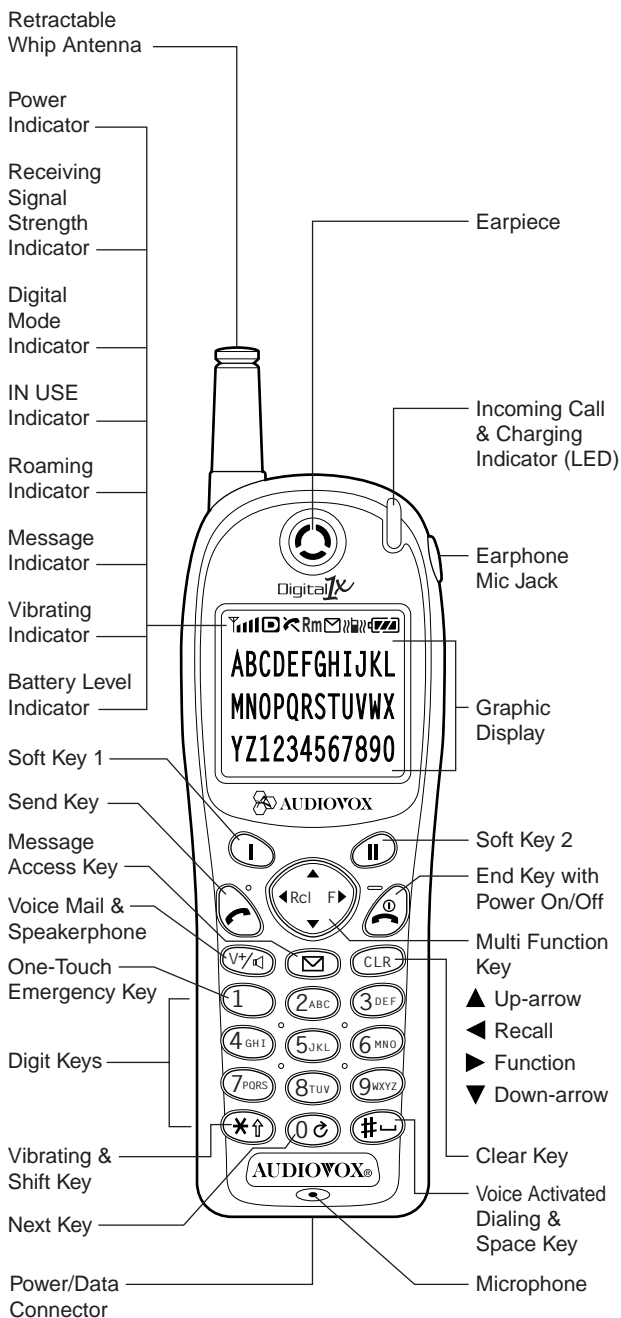

CDM-9150X

AC120V

AC Adapter
CNR-9100

Desktop Holder
DTH-9100
(Option)
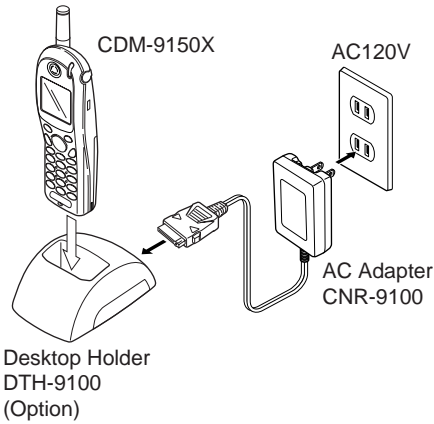
Battery Information

● Temperature extremes will affect the ability of your Battery Pack to charge; always allow it to cool down or warm up first. Never attempt to charge the Battery Pack if the ambient room temperature is below 32°F (0°C) or above 105°F (40°C).

● Subjecting the Battery Pack to extremely high or low temperatures will reduce its capacity and its life expectancy. Always try to keep the Battery Pack between 59°F and 77°F (15°C and 25°C), if possible.

FUNCTIONS

External View

Retractable Whip Antenna

Power Indicator

Receiving Signal Strength Indicator

Digital Mode Indicator

IN USE Indicator

Roaming Indicator

Message Indicator

Vibrating Indicator

Battery Level Indicator

Soft Key 1

Send Key

Message Access Key

Voice Mail & Speakerphone

One-Touch Emergency Key

Digit Keys

Vibrating & Shift Key

Next Key

Power/Data Connector

Earpiece

Incoming Call & Charging Indicator (LED)

Earphone Mic Jack

Graphic Display

Soft Key 2

End Key with Power On/Off

Multi Function Key

▲ Up-arrow
◄ Recall
► Function
▼ Down-arrow

Clear Key

Voice Activated Dialing & Space Key

Microphone

ABCDEFGHIJKL
MNOPQRSTUVWX
YZ1234567890

AUDIOVOX

Function of Keys

<table>
<tr>
<td rowspan="12">Key- Board Arrangement</td>
<td colspan="2">Digit Keys
① ②ABC ③DEF
④GHI ⑤JKL ⑥MNO
⑦PQRS ⑧TUV ⑨WXYZ
✱✩ ⓪☾ #⌐
</td>
<td>To enter Telephone Numbers.
To enter letters and symbols (see page 32).
① is also used for One-Touch Emergency feature.</td>
</tr>
<tr>
<td colspan="2">Function Keys
Ⅰ   Ⅱ
◀Rcl F▶
☎   📞
V🗘⊄ ☒ CLR</td>
<td></td>
</tr>
<tr>
<td>Ⅰ   Ⅱ</td>
<td colspan="2">Soft Keys. To function as shown in the bottom line on the display.</td>
</tr>
<tr>
<td>☎</td>
<td colspan="2">SEND Key. To originate or answer a call.</td>
</tr>
<tr>
<td>📞</td>
<td colspan="2">END Key. To terminate a call and to turn the phone ON/OFF.</td>
</tr>
<tr>
<td>◀Rcl</td>
<td colspan="2">To recall phone numbers from memory. Also used as left-arrow key.</td>
</tr>
<tr>
<td>F▶</td>
<td colspan="2">To be used with other keys to activate various special features. Also used as right-arrow key.</td>
</tr>
<tr>
<td>▲▼</td>
<td colspan="2">To control the volume of Ringer, Key Tone and Earpiece/Speakerphone.
Also used as up/down-arrow keys.</td>
</tr>
<tr>
<td>V🗘⊄</td>
<td colspan="2">To access your Voice Mail with only one key (see page 62) and to activate Speakerphone mode (see page 29).</td>
</tr>
<tr>
<td>☒</td>
<td colspan="2">To review Text Messages or to learn how many Voice Messages are in your Voice Mailbox (see page 57).</td>
</tr>
<tr>
<td>CLR</td>
<td colspan="2">To clear digits from the display or from a memory location.</td>
</tr>
</table>

LCD Display Indication

Items	Descriptions
Yᵢₗₗ	**Receiving Signal Strength Indicator.** The number of lines indicates the received Signal Strength, and Y 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 Service Area.
Rm	The phone is out of the Home Area.
☒	**Message Indicator.** To indicate that new Text Messages are stored in memory or new Voice Messages are in your Voice Mailbox.
《📳》	**Vibrating Indicator.** To indicate that the vibrating alert is active.
▰▱	**Battery Level Indicator.** Monitors the battery charge condition.
ABCDEFGHIJKL MNOPQRSTUVWX YZ1234567890	Graphic full-dot matrix display with flexible font size in 3 to 7 lines.

GETTING STARTED

Turning the Phone On/Off

Press and hold 🕮. All the indicators and the display will light momentarily, and a tone will be heard. The Ƴ indicator will be displayed while the phone is on.
To turn the phone off, press and hold 🕮.

Antenna Position

The antenna can be used in its fully extended or fully re-tracted 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 (Ƴııl)

The number of lines shown by this icon indicates the strength of the signal your phone is receiving. Four lines indicates maximum signal strength. The number of lines may change as you move with the phone to represent the changing signal strength. If the signal is not strong enough to place a call, "✕" will appear on the 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
Lithium Ion (BTR-9100)	Digital 1x	135 min.	270 h
	Digital	170 min.	150 h
	Analog	60 min.	15 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.)

```
 Tıll                   ▚
 
 
 123-456-7890
   STO        Menu ▶
```

2. Press ⌒.
   The ⌒ indicator will appear
   on the display.

```
 Tıll    ⌒            ▚
 Calling...
 ((( ▮ )))
 123-456-7890
```
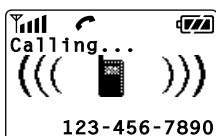
• *To Correct a Number*

Press (CLR) to clear the last digit.

Press and hold (CLR) 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 ⌒ indicator will no longer appear in the
display.

Last Number Redial
1. Press the key under **Redial**, or press (▪Rcl) (✳⇧) to
   recall the last number dialed.
2. Press ⌒ to place the call.

See **Call History** on page 54 for details. See also **Re-
dial Soft Key (F04)** on page 90.

To Dial the Last Number Received
Press (▪Rcl) (#⮌) to recall the last number with Caller ID
you received, then press ⌒.

See **Call History** on page 54 for details.

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

See **Phonebook Recall** on page 43 for details.

Tip: The (V+/⊲) key will be used for Voice Mail access. See
    page 62.

Tip: Press and hold (#⮌) for Voice Activated Dialing. See
    page 53.

Speed Dialing

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

1. Enter the one or two digits of your Phonebook address (1 to 9 or 10 to 99).
2. Press (⌒). The phone number will be displayed. The ⌒ indicator will be displayed 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 90 to turn this feature on/off.

1. Press a digit key ((2ABC) to (9WXYZ)) for more than one second.
2. The number in your phonebook is automatically dialed. The phone number will be displayed. The ⌒ indicator will light.

Note: *The key (1) is not for Quick Dialing, but for **One-Touch Emergency Call**, page 27.*

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 85.

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

1. Enter (9WXYZ) (1) (1). The "**911**" will not be displayed.
2. Press (⌒).
   The "**911**" will be displayed. The ⌒ indicator will light, and the call will be placed.

```
 Tıll  ⌒         ▱
Calling...


Emergency
                911
```
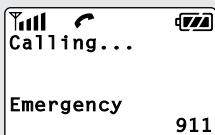
One-Touch Emergency Call

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 One-Touch Emergency Call Feature (F63)** on page 85.

1. Press and hold (1) for more than 2 seconds. The number in emergency memory location "1" will be dialed.
2. Then the ☎ indicator will be displayed 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 preprogrammed 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 🔘.

Receiving Calls

The phone sounds an alert or vibrates to alert you of an incoming call. Also, the LED on the top of the phone will flash.

To Receive a Call

When the telephone rings, press ☎ to answer the call. The ☎ indicator will be displayed.
**Note:** *To mute the ringer or stop the vibrating, press* 🔘.

Any Key Answering

This feature permits you to answer an incoming call by pressing any key on the key pad except 🔘 and (Rcl F▸).

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.

```
Incoming Call
  )))█(((
JACK
    123-456-7890
```
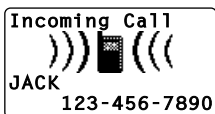
2. The last 10 Caller IDs are stored in the memory for your review and redial. See **Call History** on page 54 for details.

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. The display indicates "**Called XX**", the number of calls (01 to 99) you missed and the LED will blink. It also indicates the caller number and name of the latest call, if available. Press the key under **Refer** to view **Incoming Call History**.

Depressing any key will clear the display. See **Redial Soft Key (F04)** on page 90.

```
Called 12
 May 21 10:25 am
JACK
    123-456-7890
 Refer
```
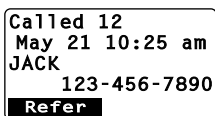
Ringing Tone with Melody

The CDM-9150X offers you 15 styles of ringer tones and melodies for alerting incoming calls. Ringer volume can also be adjusted. See **Ringer Type Selection (F32)** on page 75 and **Ringer Volume Control (F31)** on page 75 for setting. See also **Vibrating Alert (F8)** on page 89.

Distinctive Ringing (Audible Caller ID)

You may program different ringer styles for different phonebook addresses. See **To Store a Ringer Type with the Phone Number** on page 40 for setting.

During Calls

To Adjust the Earpiece Volume

Simply press ⌃ or ⌄ to adjust Earpiece/Speakerphone Volume during a call.

```
Ear/SPK Vol.
 ▬▬▬▬
⬍▬▬▬▬ ▯
```

To Mute a Phone Conversation

There are two ways to mute the microphone during a call.

1. Press the key under **Mute** , or press (F)(F).
2. Then the screen displays "**Phone is muted!**".
3. To return to normal mode, press the key under **Unmute** , or press (F)(F) again.

Note: *Terminating a call cancels the muting.*

Speakerphone Mode (Two-Way)

This feature allows you to engage in a conversation without having to hold the phone.

1. To activate this feature, press (V+/◁) during a call. The screen displays "**Speaker ON!**".
2. Press (▲) or (▼) to adjust the earpiece/speakerphone volume.
3. To return to normal mode, press (V+/◁) again.

Notes: *1. Terminating a call cancels the speakerphone mode.*
2. It is not recommended to use this feature in a noisy environment.

Automatic Talk Timer

The talk time of the current call will be automatically displayed. For example, "**1H 23M 45S**".

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 pressing (📞).

Note: *You can deactivate "**Sending DTMF**" so that keypad tones will not be transmitted to the calling party. See* ***Sending DTMF (F34)*** *on page 75.*

Call Waiting

Your service provider may provide Call Waiting service. When you are on a call, you may hear a beep tone alerting you of another incoming call.
Your phone displays "**New Caller**" and the new caller's name and number. 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.
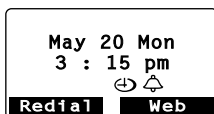
1. Enter a number and press 📞 to call the third party.
2. Press 📞 again to connect all three parties.

Ask your service provider for the detailed information.

Standby

Indicators on Standby

Your phone displays date and time, various settings status, and soft keys in standby.

```
   May 20 Mon
    3 : 15 pm
        ⏲ ♧
 Redial     Web
```

1X : See **Service Mode (F71)** on page 87.

✗ : **Ringer Volume** is in **Silent** mode. See page 75.

🔊 : **Automatic Answering** is active. See page 90.

🔒 : **Phone Lock** is active. See page 72.

🔑 : **Keypad Lock** is active. See page 71.

⏲ : **Countdown Timer** is active. See page 80.

♧ : **Clock Alarm** is active. See page 79.

 Redial : See **Last Number Redial** on page 25.

 Web : See **Accessing Internet** on page 65.

*Note: For displaying date and time, see **Clock Indicator (F42)** on page 78 and **Clock Adjustment (F43)** on page 79.*

Vibrating Alert

To activate Vibrating Alert, press and hold ✱. The 📳 indicator will be displayed. To deactivate it, press and hold ✱ again. See also **Vibrating Alert (F8)** on page 89.

Multilingual

Your phone provides multiple languages (English, Spanish, French and Portuguese) for displaying the menus and prompts in the Basic Operation, Phonebook Operation and Function Menu. See **Language Selection (F24)** on page 74.

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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 50 for more information.

Touch Tone™ from Display

When **Sending DTMF** (page 75) mode is on, the numbers will be sent in Touch Tone™ signals during a call as you press digit keys. When **Sending DTMF** mode is off, you can send Touch Tone™ signals in the following manner.

1. Enter the number.

```
123-456-7890
  STO      Menu ▶
```

2. Press (F▶) and scroll to "**Tone**".

```
               Menu
Mute On
Tone
Link Mark
            OK ▶
```

3. Press (F▶). 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 (◀Rcl), and recall the number you want to send in Touch Tone™ signals.
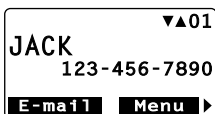
```
              ▼▲01
JACK
   123-456-7890
  E-mail    Menu ▶
```

2. Press (F▶) and scroll to "**Tone**".

```
               Menu
Tone
View Number
View Name
            OK ▶
```

3. Press (F▶). The number in the display will be sent in Touch Tone™ signals.

Entering Letters and Symbols

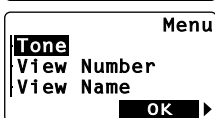The text entry mode **T9** or **Alpha** will automatically be active when necessary to enter letters, such as names or messages. The current mode is displayed as **T9** (T9) or **abc** (abc) at the bottom of the screen. Also numeric or symbol mode will appear by pressing the key under **T9** (T9) or **abc** (abc). Available modes depend on the feature that you use.

T9 Mode **T9** (T9)

The T9 mode allows you to enter text quickly by pressing one key per letter. This mode suggests English words as you type.

Example:

1. Type (4_{GHI}) (6_{MNO}). Your phone displays **in**.
2. Press $(0 \circlearrowleft)$ to display the next choice **go**.
3. Press $(\#\leftarrow)$ to decide the word "**go**" and add a space.

The **Shift** key $(*\Uparrow)$ turns letter cases: **T9** (normal), **T9⇧** (initial cap.) and **T9⇧** (caps. lock).
The **Next** key $(0 \circlearrowleft)$ displays the next choice.
The **Space** key $(\#\leftarrow)$ decides a word and adds a space.
To decide a word, press $(\quad ^{F\blacktriangleright})$.
To insert punctuation marks, press $(1\quad)$.
To delete a character, press (CLR).
To delete a word, press and hold (CLR).
To move the cursor, press $(^{4Rcl}\quad)$ or $(\quad ^{F\blacktriangleright})$.
To enter digits, press and hold the key $(0 \circlearrowleft)$ to (9_{WXYZ}).
Note: For more information, visit www.T9.com.

Alpha Mode **abc** (abc)

The Alpha mode allows you to enter characters by pressing the digit key repeatedly. For example, press (5_{JKL}) once to enter "**J**", or press (5_{JKL}) three times to enter "**L**".

The **Shift** key $(*\Uparrow)$ turns letter cases: **abc** (normal), **Abc⇧** (initial cap.) and **ABC⇧** (caps. lock).
The **Space** key $(\#\leftarrow)$ adds a space.
To decide a character, press $(\quad ^{F\blacktriangleright})$.
To delete a character, press (CLR).
To delete a word, press and hold (CLR).
To move the cursor, press $(^{4Rcl}\quad)$ or $(\quad ^{F\blacktriangleright})$.
To enter digits, press and hold the key $(0 \circlearrowleft)$ to (9_{WXYZ}).

Assigned Alpha Characters in Alpha Mode

Key	English	Spanish
①	1 @ . ? ! - : ' , ;	
②ABC	A B C 2	A Á B C 2
③DEF	D E F 3	D E É F 3
④GHI	G H I 4	G H I Í 4
⑤JKL	J K L 5	J K L 5
⑥MNO	M N O 6	M N Ñ O Ó 6
⑦PQRS	P Q R S 7	P Q R S 7
⑧TUV	T U V 8	T U Ü Ú V 8
⑨WXYZ	W X Y Z 9	W X Y Z 9
⓪	0	0

Key	French	Portuguese
①	1 @ / - : ' ? . , ( ) ;	
②ABC	A À Â B C Ç 2	A À Á Ã B C Ç 2
③DEF	D E Ë È É Ê F 3	D E É Ê F 3
④GHI	G H I Ï Î 4	G H I Í 4
⑤JKL	J K L 5	J K L 5
⑥MNO	M N O Ô 6	M N O Ó Ô Õ 6
⑦PQRS	P Q R S 7	P Q R S 7
⑧TUV	T U Ù Û V 8	T U Ü Ú V 8
⑨WXYZ	W X Y Z 9	W X Y Z 9
⓪	0	0

Note: *Available languages in the Alpha mode depend on the feature that you use.*

Numeric Mode Num (Num)

To enter digits, press the digit key ⓪ to ⑨WXYZ.
To delete a digit, press CLR.

Symbol Mode Sym (Sym1 to 4)

The symbol mode appears in two ways depending on the feature that you use.

All Symbols on One Screen

Move the cursor with ◀Rd F▶ to select one of symbols on the screen. Press the key under **OK** to select it and return to the previous mode.

Symbols on Multi-Screen (Web Browser)

Scroll the screens **Sym1**, **Sym2**, **Sym3** and **Sym4** with ▲ or ▼. Press the digit key (① to ⑨WXYZ) to select a symbol and return to the previous mode.

Shortcut: *Press and hold the key under* **T9** *or* **abc** *to turn to* **Sym** *. (except Web Browser)*

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 ⌒. An e-mail address can also be stored at each memory address. Numbers can be marked Secret for added privacy. You can also save a phonebook entry with a voice recording for Voice Activated Dialing.

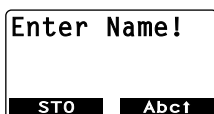## Phonebook Entry

Basic Sequence
To program your phonebook, enter the information in the following order. You may skip "name", "e-mail address" and/or "voice".

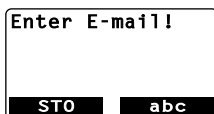1. Enter the **phone number(s)**. See page 35 and 37.

```
987-654-3210
 STO      Menu ▶
```
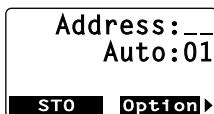
2. Enter the **name**. See page 38.

```
Enter Name!


 STO      Abc↑
```

3. Enter the **e-mail address**. See page 39.
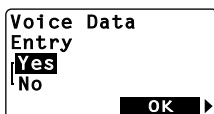
```
Enter E-mail!


 STO      abc
```

4. Enter the **phonebook address**. See page 35.

```
 Address:__
     Auto:01
 STO     Option▶
```

5. Enter the name using your **voice**. See page 52.

```
Voice Data
Entry
┃Yes
┃No
         OK  ▶
```

Note: *When shifted from **Text Messages**, the sequence may vary depending on cases.*

To Store a Number without Name

1. Press ⚪ or press and hold (CLR) to clear the screen, then enter the phone number (up to 32 digits).
2. Press the key under **STO** three times, then enter the desired memory address (01 through 99) and press ⊙ (F▸).

Example: To store the phone number 1 2 3 4 5 6 7 8 9 0 in address 07.

1. Press and hold (CLR).
2. Enter ① ②ABC ③DEF ④GHI
   ⑤JKL ⑥MNO ⑦PQRS ⑧TUV ⑨WXYZ
   ⓪.

   ```
   123-456-7890
    STO     Menu ▶
   ```

3. Press the key under **STO** three times.

   ```
     Address:__
        Auto:01

    STO    Option▶
   ```

4. Enter the address ⓪ ⑦PQRS and press ⊙ (F▸).

   ```
   #07    Stored
         98 Empty
          1 Used
   ```

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 the key under **STO** four times and press ⊙ (F▸).

Example: To store the phone number 1 2 3 4 5 6 7 8 9 0 into a vacant memory address 01.

1. Press and hold (CLR).
2. Enter ① ②ABC ③DEF ④GHI
   ⑤JKL ⑥MNO ⑦PQRS ⑧TUV ⑨WXYZ
   ⓪.

   ```
   123-456-7890
    STO     Menu ▶
   ```

3. Press the key under **STO** three times.

   ```
     Address:__
        Auto:01

    STO    Option▶
   ```

4. Press the key under **STO** and press ⊙ (F▸).

   ```
   #01    Stored
         97 Empty
          2 Used
   ```

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 74 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. Enter ① ②ABC ③DEF.

```
                    123
        STO      Menu  ▶
```

2. Press Ⓕ▸ and scroll to "**Manual Hyphen**".

```
                   Menu
    Link Mark
    Dual Entry
    Manual Hyphen
                   OK  ▶
```

3. Press Ⓕ▸.

```
                   123-
        STO      Menu  ▶
```

4. Enter ④GHI ⑤JKL ⑥MNO ⑦PQRS.

```
               123-4567
        STO      Menu  ▶
```
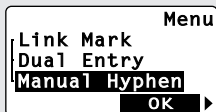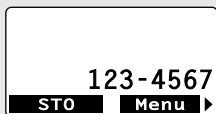
Tip: *The screen may display dual prompts such as* **Menu** ▶*. This means that pressing the* Ⓕ▸ *key operates the same as pressing the key under* **Menu** *.*

To Store Dual Numbers in Phonebook

You can store Dual Numbers with Dual Mark "****" up to 40 digits for the address 01 to 90, and up to 80 digits for the address 91 to 99 in the phonebook.
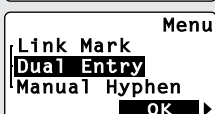
```
◄─────── Up to 40 or 80 digits ───────►
┌──────────────────┬──┬──────────────────┐
│ Primary Number   │\ │ Secondary Number │
└──────────────────┴──┴──────────────────┘
```
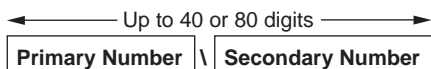
To store two telephone numbers in one phonebook address, enter the first number, select the Dual Mark "**** " by using the menu, then enter the second number.

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

    ```
    123-456-7890
     STO      Menu ▶
    ```

2. Press Ⓕ and scroll to "**Dual Entry**".

    ```
              Menu
    Link Mark
    Dual Entry
    Manual Hyphen
                OK ▶
    ```

3. Press Ⓕ.
   The Dual Mark "**** " is inserted.

    ```
    Primary
                   1
    23-456-7890\
     STO      Menu ▶
    ```

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

    ```
    Secondary
    987-654-3210
     STO      Menu ▶
    ```

5. Press the key under **STO** three times.

    ```
    Address:__
       Auto:02
     STO    Option ▶
    ```

6. Enter the address ⓪ ⑧TUV and press ⓨ Ⓕ.

    ```
    #08    Stored
        96 Empty
         3 Used
    ```
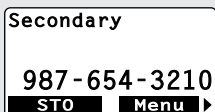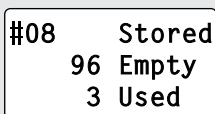
Note: *You can add a second number after storing a first number. See* **To Enter a Second Number** *on page 46.*

37

To Store a Name with the Phone Number

To use this procedure, you will need to refer to "**Entering Letters and Symbols**" on page 32.

1. Enter the phone number.
2. Press the key under **STO** .
3. Enter the name.
4. Press the key under **STO** twice, then enter the memory address (01 through 99) and press ⌄ ꜰ⁾ 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 Jill into memory address 11.

1. Enter the phone number;
   (**1**) (**2 ABC**) (**3 DEF**) (**4 GHI**) (**5 JKL**)
   (**6 MNO**) (**7 PQRS**) (**8 TUV**) (**9 WXYZ**) (**0 ↻**).

   ```
   123-456-7890
    STO     Menu ▶
   ```

2. Press the key under **STO** .

   ```
   Enter Name!


    STO      Abc↑
   ```

3. Enter the Name;
   (**5 JKL**) for " **J** ",
   (**4 GHI**) (**4 GHI**) (**4 GHI**) for " **i** ",
   (**5 JKL**) (**5 JKL**) (**5 JKL**) ꜰ⁾ for " **l** ",
   and (**5 JKL**) (**5 JKL**) (**5 JKL**) for " **l** ".

   ```
   Jill|


    STO      abc
   ```

4. Press the key under **STO** twice.

   ```
   Address:__
        Auto:02

    STO    Option▶
   ```

5. Enter the address (**1**) (**1**) and press ⌄ ꜰ⁾ .

   ```
   #11    Stored
       95 Empty
        4 Used
   ```

Note: *To enter names into the phonebook in the Alpha mode you can use the alphabet that you selected with **Language Selection (F24)** on page 74.*

38

To Store E-mail Address

You can store an e-mail address up to 48 characters long with phone numbers in your phonebook.

Example:

1. Enter a phone number and press the key under **STO** twice. Enter e-mail address.

```
Enter E-mail!



 STO      abc
```

2. Press the key under **STO**.

```
   Address:__
     Auto:02

 STO    Option▶
```
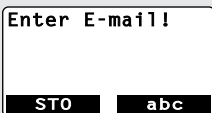
3. Press the key under **STO** and press ⬇ Ⓕ▸ to store it.

Note: To add an e-mail address after storing numbers, see "**Modify**" menu on page 46.
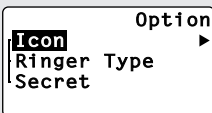
To Mark Numbers with Icon

You can mark every number with an icon among 9 options under the "**Option**" menu before storing.

Example:

1. Enter phone number(s) and e-mail address.

```
   Address:__
     Auto:03

 STO    Option▶
```

2. Press the key under **Option**.

```
           Option
 Icon          ▶
 Ringer Type
 Secret
```

3. Press Ⓕ▸ and scroll to a number to be marked.

```
 Icon
 □  123-456-7890
 □  987-654-3210
 □  abcde@audiovo
   OK     Select▶
```

4. Press Ⓕ▸ and scroll icons with ◂Rcl F▸.

```
 Icon
  🏠 🎂 🖥
  💼 🎤 🖵
            Set
```

5. Press the key under **Set**.

```
 Icon
 🏠 123-456-7890
 □  987-654-3210
 □  abcde@audiovo
   OK     Select▶
```
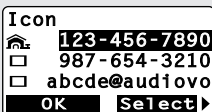
6. Repeat steps 3 through 5 for other numbers.

7. Press the key under **OK** to return to step 1 for other options.

Note: To add icons after storing numbers, see "**Modify**" menu on page 46.

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

You can choose one of 15 ringer types for each phonebook number. With this feature, you will be able to distinguish who is calling by hearing the ringing tone. The ringer type is selected under the "**Option**" menu before storing.

Example:

1. Enter phone number(s), and press the key under **STO** three times.

```
   Address:__
       Auto:04

   STO    Option▶
```

2. Press (F▸) and scroll to "**Ringer Type**".

```
                Option
   Icon
   Ringer Type      ▶
   Secret
```

3. Press (F▸) and scroll to one of the numbers you want to set.

```
   Ringer Type
   -   123-456-7890
   -   987-654-3210

   OK     Select▶
```

4. Press (F▸) and scroll to sample the different ringer types.

```
   Ringer Type
   ✓Common
    Ringer #01
    Ringer #02
              Set  ▶
```

5. Press (F▸) to set the new ringer type.

```
   Ringer Type
   #02 123-456-7890
   -   987-654-3210

   OK     Select▶
```

6. Press the key under **OK**.

```
   Address:__
       Auto:04

   STO    Option▶
```

7. Press the key under **STO** and press (▾) (F▸).

```
   #04    Stored
        92 Empty
         7 Used
```

Note: *The "**Common**" shown in the step 4 is the ringer type you selected with the Function Menu. See **Ringer Type Selection (F32)** on page 75.*

Overwrite Warning

When you attempt to store a number in an address where another number has already been stored, the "**Overwrite**" warning will appear on the screen.

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. Enter (9ʷˣʸᶻ) (8ᵀᵁᵛ) (7ᴾqᴿˢ) (6ᴹᴺᴼ) (5ᴶᴷᴸ) (4ᴳᴴᴵ) (3ᴰᴱᶠ) (2ᴬᴮᶜ) (1) (0 ċ).

```
987-654-3210
 STO     Menu ▶
```

2. Press the key under **STO** three times.

```
Address:__
      Auto:05

 STO    Option▶
```

3. Enter (0 ċ) (7ᴾqᴿˢ).
   The already stored number is displayed momentarily.

```
123-456-7890


#07 is used.
```

4. Two seconds later.

```
Overwrite?

Yes
No
          OK  ▶
```

5. If you accept to overwrite, scroll to "**Yes**" and press (ꜰ).

6. If you do not want to overwrite, scroll to "**No**" and press (ꜰ). The screen returns to the step 2 again.

41

Recall Menu

Press ⟨Rcl⟩. The following "**Recall**" menu will prompt you to recall the number from memory.

```
                    Recall
Address  :__     ▶
Search   :_
History
```
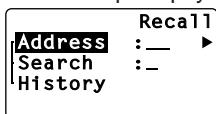
- "**Address**" : Phonebook Address Mode
- "**Search**" : Phonebook Sort Scroll Mode or
                  Phonebook Key Word Search Mode
- "**History**" : Call History Mode

Recall Menu Tree

Main Menu ··· *Sub-menu*

```
┌ Address ──────────────┐  ┌──────────┐    ─ View Number*
│                        └──│ Phone-   │    ─ View Name*
│                     ┌─────│ book     │    ─ View E-mail*
│                     │     └──────────┘    ─ Replay*
│      ─ (Sort Scroll)─┤                     ─ Modify
├ Search ─ (Key Word) ─┘                     ─ Move
│                                            ─ Priority*
│                                            ─ Erase
│
│                      ┌──────────┐          ─ View Number
├ History ─ Outgoing ──│ Outgoing │          ─ View Name*
│                      │ History  │          ─ Save
│                      └──────────┘          ─ Erase
│
│                      ┌──────────┐          ─ View Number
│         ─ Incoming ──│ Incoming │          ─ View Name*
│                      │ History  │          ─ Save
│                      └──────────┘          ─ Erase
│
│                      ┌──────────┐          ─ View Number
└         ─ Scratch Pad│ Scratch  │          ─ Save
                       │ Pad      │          ─ Erase
                       └──────────┘
```
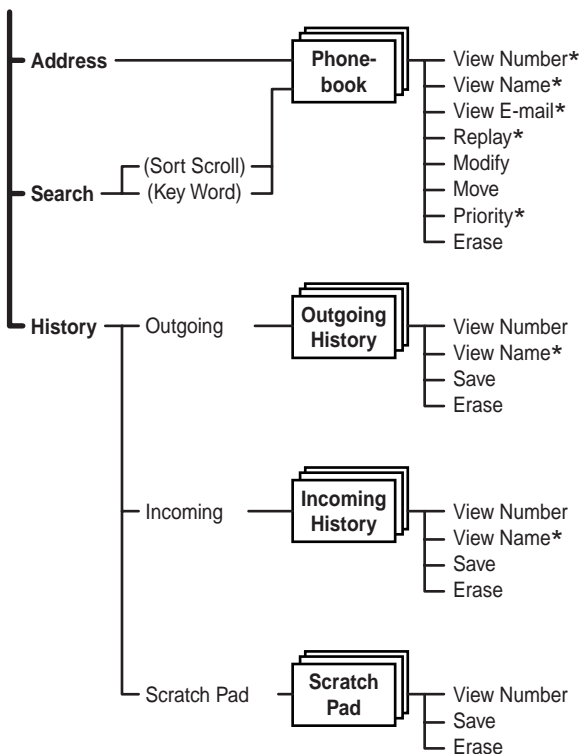
Note: *The sub-menus marked with * will be available on the screen, if the corresponding items are stored in that address.*

42

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 re-calling a specific address or by scrolling the phonebook.

1. Press (Rcl).

2. Enter the two-digit Memory Address.

```
                    Recall
Address  :__   ▶
Search   :_
History
```
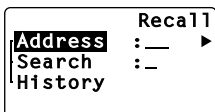
3. The phone number is dis-played.

Example:

```
                    ▼▲27
JACK
🏠  222-222-2222
 E-mail     Menu ▶
```
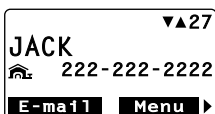
4. Press (⌃) or (⌄) to scroll.

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).

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

1. Press (Rcl) (⌄) and press (5 JKL) for "**J**".

```
                    Recall
Address  :
Search   :J    ▶
History
 ABC⇧
```

2. Press (F▶).

```
                    ▼▲27
JACK
🏠  222-222-2222
 E-mail     Menu ▶
```

3. Press (⌄).

```
                    ▼▲22
Jill
     333-333-3333
 E-mail     Menu ▶
```

4. Press (⌄).

```
                    ▼▲24
KEN
🏠  111-111-1111
🗄  444-444-4444
 E-mail     Menu ▶
```
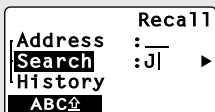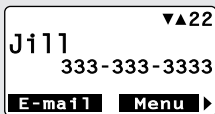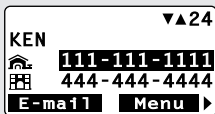
Note: *This mode will sort and display names disregarding the initial spaces if applied.*

Phonebook Key Word Search Mode

This mode searches and displays the character string of Alpha Tags stored in the phonebook. Any part of the Alpha Tag can be used for the search.

Example: To search the character string AN stored in the phonebook.

1. Press (Rcl) (▽) and press (2ABC) for "**A**".
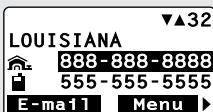
```
                     Recall
Address  :__
Search   :A|      ▶
History
 ABC⇧
```

2. Press (6MNO) (6MNO) for "**N**".

```
Key Word?
AN|


 ABC⇧    Search▶
```

3. Press (F▶).

```
                     ▼▲37
Albany
        777-777-7777
 E-mail    Menu ▶
```

4. Press (▽).

```
                     ▼▲32
LOUISIANA
 🏠 888-888-8888
 📱 555-555-5555
 E-mail    Menu ▶
```

5. Press (▽) (▽).

```
                     ▼▲34
San Francisc
o
 📱 999-999-9999
 E-mail    Menu ▶
```

6. Press (▽).

```
                     ▼▲37
Albany
        777-777-7777
 E-mail    Menu ▶
```

7. Press (△).

```
                     ▼▲34
San Francisc
o
 📱 999-999-9999
 E-mail    Menu ▶
```
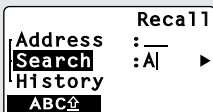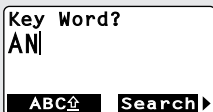
Note: The key word can be searched regardless of upper or lower case letters.

Tip: In all three recall modes, long names and phone numbers are displayed in the short form as necessary: a name in the first 12 characters and a number in the last 12 digits.

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 ⌄ ⌒.

```
                                  ▼▲08
                    Lucas
Primary Number  →  🏠 123-456-7890
Secondary Number →  📱 987-654-3210
                    E-mail   Menu ▶
```
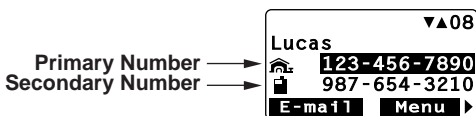
To Review Long Names and Numbers

This feature allows you to review whole Alpha Name Tags or long numbers stored in your phonebook.

1. Use any of the previously described phonebook search modes to recall a number.
2. Press Ⓕ and scroll to "**View Number**" or "**View Name**". Press Ⓕ again.

To Review E-mail Address

1. Use any of the previously described phonebook search modes to recall a number.
2. Press the key under **E-mail**.
3. Press ⌃ or ⌄ to scroll e-mail addresses.

```
                    📧▼▲20
Audiovox
abcde@audiovox.c
om
Tel #      Menu ▶
```

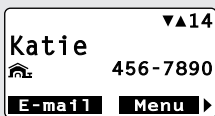4. To view long e-mail address, press Ⓕ and scroll to "**View E-mail**". Press Ⓕ again.

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.

```
                      ▼▲14
Katie
🏠        456-7890
E-mail    Menu ▶
```

2. Enter ① ②ABC ③DEF.

```



            123456-7890
```

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 on 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, E-mail Addresses, Icons, Ringer Types, Secret and Phonebook Addresses.

To Modify Phone Numbers

Recall the number from the phonebook.

Press ⒡ to select "**Menu**", then scroll to "**Modify**" and press ⒡. Enter the new digit(s) and delete the old digit(s) by pressing ⒞ᴸᴿ.

To Modify Alpha Name Tag

Recall the number and proceed to "**Modify**" as above. Press the key under **STO**, and the Name Tag will appear by itself. Press ⒞ᴸᴿ to clear the letter(s), and enter the new Name.

To Modify Phonebook Address

After you modified number/name, press the key under **STO** without entering new address and press ⒟ ⒡, then the current phonebook address will be overwritten. If you enter a new address, the modified number/name will be saved to the new address while the original address information will remain unchanged.

To Enter a Second Number

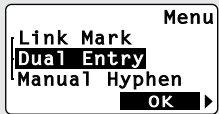**Example:**

1. Recall the number stored in the memory address.

    ```
                          ▼▲12

                123-456-7890
         E-mail      Menu ▶
    ```

2. Press ⒡ and scroll to "**Modify**".

    ```
                          Menu
         View Number
         Modify
         Move
                          OK ▶
    ```

3. Press ⒡.

    ```
                123-456-7890
           STO          Menu
    ```
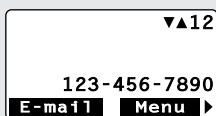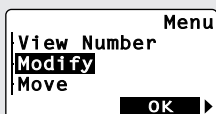
4. Press the key under **Menu** and scroll to "**Dual Entry**".

```
                    Menu
┌Link Mark
│Dual Entry
│Manual Hyphen
         OK    ▶
```

5. Press ⌐F⌐.
The Dual Mark " **** " is inserted.

```
Primary
                     1
23-456-7890\
   STO     Menu
```

6. Enter the second number.

```
Secondary

987-654-3210
   STO     Menu
```

7. Press the key under **STO** three times.

```
   Address:__
   Original:12

   STO    Option▶
```
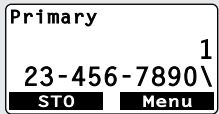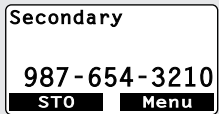
8. Press the key under **STO** and press ⌐,⌐ ⌐F⌐ to store in the original address.

```
#12    Stored
   90 Empty
    9 Used
```
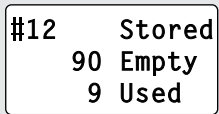
To Move Numbers and Names

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

Example:

1. Recall the number stored in the address 20.

```
                   ▼▲20
Audiovox
▦  123-456-7890
 E-mail   Menu ▶
```

2. Press ⌐F⌐ and scroll to "**Move**".

```
                    Menu
│View E-mail
│Modify
│Move
         OK    ▶
```

3. Press ⌐F⌐.

```
   Move to:__
      Auto:05

   STO
```
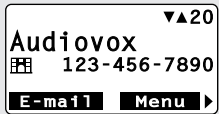
4. Enter the new address ⌐1⌐ ⌐5 JKL⌐.

```
#15    Moved
   90 Empty
    9 Used
```

47
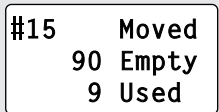
To Change Priority of Dual Numbers

You can interchange the primary and the secondary numbers in a phonebook address. The submenu "**Priority**" will only be available when two telephone numbers are stored in that address.

Example:

1. Recall the number.
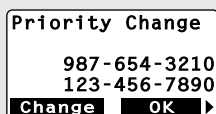
   Primary Number →
   Secondary Number →

   ```
                            ▼▲08
   
                    123-456-7890
                    987-654-3210
    E-mail    Menu ▶
   ```
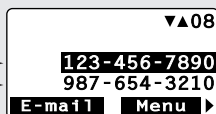
2. Press ⒡ and scroll to "**Priority**".

   ```
                            Menu
   Modify
   Move
   Priority
                       OK   ▶
   ```

3. Press ⒡.

   ```
   Priority Change
   
                    123-456-7890
                    987-654-3210
    Change     OK   ▶
   ```
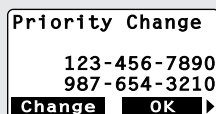
4. Press the key under **Change**. The new priority is displayed.

   ```
   Priority Change
   
                    987-654-3210
                    123-456-7890
    Change     OK   ▶
   ```

5. 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:

1. Recall the number.

   ```
                            ▼▲16
   
   🏠  123-456-7890
    E-mail    Menu ▶
   ```

2. Press ⒡ and scroll to "**Erase**".

   ```
                            Menu
   Modify
   Move
   Erase
                       OK   ▶
   ```

3. Press ⒡. The number is shown again. Press ⒡.

4. Two seconds later the screen is changed.

   ```
   Address
   Erase?
   Yes
   No
                       OK   ▶
   ```

5. To erase the number scroll to "**Yes**", otherwise "**No**", and press ⒡.

To Store a Secret Number

This feature permits you to store a phone number or e-mail address that you want to keep secret in your phonebook. The secret number can be accessed only by entering the **Security Code** (see page 71).

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

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

   ```
   123-456-7890
   STO      Menu ▶
   ```

2. Press the key under **STO** three times.

   ```
   Address:__
        Auto:10

   STO    Option▶
   ```

3. Press (F▸) and scroll to "**Secret**".

   ```
             Option
   Icon
   Ringer Type
   Secret          ▶
   ```

4. Press (F▸). Scroll to a number to be secret for two numbers or more.

   ```
   Secret
       123-456-7890

   OK     On/Off▶
   ```

5. Press (F▸). The number turns "**Secret**".

   ```
   Secret
        Secret

   OK     On/Off▶
   ```

6. Press the key under **OK**.

   ```
   Address:__
        Auto:10

   STO    Option▶
   ```

7. Enter the address (3DEF) (0↻) and press (↴) (F▸).

   ```
   ♯30    Stored
       80 Empty
       19 Used
   ```

Note: Each of the phone numbers and e-mail address can be marked secret by repeating step 4 and 5.

To Recall a Secret Number

Example: To recall the number 1 2 3 4 5 6 7 8 9 0 stored in the address 30.

1. Use Phonebook Search Mode to recall a secret number.

```
                        ▼▲30
        Secret
  E-mail    Code ▶
```

2. Press ⒡.

```
Security Code:


              OK  ▶
```

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

```
                        ▼▲30

        123-456-7890
  E-mail    Menu ▶
```
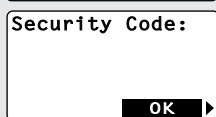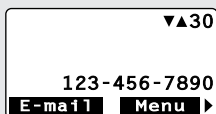
Link Dialing

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

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.

```
◀────── Up to 40 or 80 digits ──────▶
┌──────┐   ┌──────┐   ┌──────┐
│ L01  │ = │ L02  │ = │ L03  │
└──────┘   └──────┘   └──────┘
31 digits or less  31 digits or less  31 digits or less
```
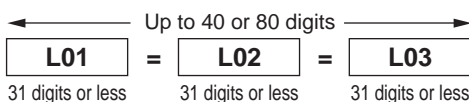
The example on the next page shows how to store a Linked number at a specific memory address.

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 the key under **STO** three times, then enter the memory address (01 to 99). Press ⌄ ⒡.
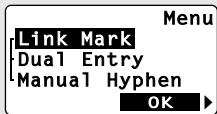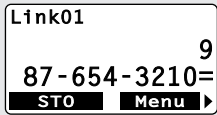
Example: To link 3 numbers and store in Address 35.

1. Enter the first number.

```
987-654-3210
 STO      Menu ▶
```

2. Press (F▸).

```
            Menu
Link Mark
Dual Entry
Manual Hyphen
            OK ▶
```

3. Press (F▸).

```
Link01
                9
87-654-3210=
 STO      Menu ▶
```

4. Enter the second number.

```
Link02
              456
 STO      Menu ▶
```

5. Press (F▸) (F▸).

```
Link02
             456=
 STO      Menu ▶
```

6. Enter the third number.

```
Link03
       1234567890
 STO      Menu ▶
```

7. Press the key under **STO** three times. Enter the address (3ᴅᴇғ) (5ᴊᴋʟ) and press (▾) (F▸).

```
#35    Stored
     90 Empty
      9 Used
```
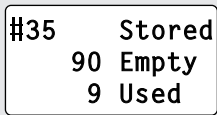
Note: While entering a linked number, you may review all the parts of that number, even those already entered. Press (F▸), scroll to "**View Number**" and press (F▸). The linked numbers you have just entered will be displayed one by one each time you press (F▸).

To Place Calls Using Linked Numbers

1. Press (◂Rcl), and select the linked number you want to call. (See **Phonebook Recall** on page 43.)
2. Press (☎). Then the 📞 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 to a phone number saved in your phonebook just by saying the name. You can register, in your own voice, names for up to 20 numbers.

Voice Registration

Example: To 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 the key under **STO** four times.

```
Voice Data
Entry
Yes
No
            OK ▶
```

3. Press ⏺ Ⓕ.
4. After you hear the voice prompt, "**Name, please**", speak "Katie" into the mi-

```
Voice Dial
  Data Entry
```

crophone 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.

```
Voice Data
    19 Empty
     1 Used
```

8. And your phonebook status is displayed.

```
#25    Stored
    89 Empty
    10 Used
```

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.

To Replay Registered Voice

1. Press (Rcl) to recall the number from the phone-book.

```
                    ▼▲10V


        123-456-7890
   E-mail      Menu ▶
```

2. Press (F), scroll to "**Replay**" and press (F) again.
3. You will hear the registered name.
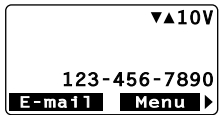
Note: Addresses with voice are marked with "**V**".

Voice Activated Dialing

Example: To 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 auto-matically dialed.

Notes: 1. If you hear "**Did you say 'Katie' ?**", please answer to it "Yes" or "No".

2. When you use this feature through car kit option, it is recommended that you speak slightly louder for better recognition.

To Add Voice to Stored Numbers

1. Press (Rcl) to recall the number from the phone-book.
2. Press (F), scroll to "**Modify**" and press (F) again.
3. Press the key under **STO** four times.
4. You will have on the screen "**Voice Data Entry**".
5. Press (F) and go to the step 4 of **Voice Registration** on page 52.

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

To Delete Registered Voice

1. Press (Rcl) to recall the number from the phone-book.
2. Press (F), scroll to "**Erase**" and press (F) again.
3. Scroll to "**Voice Data**" and press (F).
4. You will have on the screen "**Voice Data Erase?**". Scroll to "**Yes**" and press (F).

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 28.)
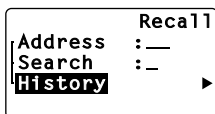
Call History Memories

Memory	Description
Outgoing	Last 10 numbers you dialed. Address 01 to 10.
Incoming	Last 10 numbers you answered or missed. Address 01 to 10.
Scratch Pad	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 (Rcl) and scroll to "**History**".

```
                    Recall
 Address  :__
 Search   :_
 History           ▶
```

2. Press (F) and scroll to the menu item you want.

```
                    History
 Outgoing          ▶
 Incoming
 Scratch Pad
```

3. Press (F) 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 (Rcl) (✱⇧) to display the latest number in the outgoing history memory.
- Press (Rcl) (#↵) 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 (Rcl) (✱⇧).
   The most recent call is dis-
   played.

   ```
                              ▼▲01
   🏠 123-456-7890
   May 21 11:15 am
   ▌Next    ▌Menu ▶
   ```
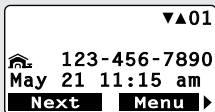
2. Scroll with ◠ or ◡ to review other numbers.
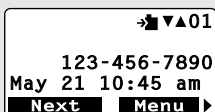3. You can place a call by simply pressing ◠.

When duplicate numbers are called, only the latest call
is stored in the outgoing call history memory.
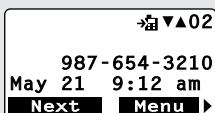
To Review Incoming Call History

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

1. Press (Rcl) (#↵).
   The most recent call is dis-
   played.

   ```
                         →▌ ▼▲01
       123-456-7890
   May 21 10:45 am
   ▌Next    ▌Menu ▶
   ```

2. Press ◡.

   ```
                         →▐ ▼▲02
       987-654-3210
   May 21  9:12 am
   ▌Next    ▌Menu ▶
   ```

3. Press ◡.
   A name is shown, if avail-
   able in your phonebook.

   ```
                         →▌ ▼▲03
   J111
       333-333-3333
   May 19  3:35 pm
   ▌Next    ▌Menu ▶
   ```
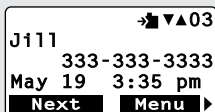
4. You can place a call by simply pressing ◠.

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.

To Review Scratch Pad

Example:
1. Press 〔Rcl〕 and scroll to "History".
2. Press 〔 F▸ 〕 and scroll to "Scratch Pad".
3. Press 〔 F▸ 〕.

```
                        ▼▲01


          123-456-7890
                    Menu ▶
```

4. Scroll with 〔▲〕 or 〔▼〕 to review other numbers.
5. You can place a call by simply pressing 〔📞〕.

To Save a Number to Phonebook

The numbers in the 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 46.

Example: To save a received Caller ID to your phonebook.

1. Recall a number.
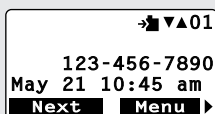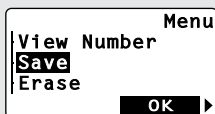
```
                    ⇥📧 ▼▲01
          123-456-7890
        May 21 10:45 am
          Next     Menu ▶
```

2. Press 〔 F▸ 〕 and scroll to "**Save**".

```
                        Menu
        View Number
        Save
        Erase
                      OK ▶
```

3. Press 〔 F▸ 〕.

```

          123-456-7890
          STO       Menu
```

4. Press the key under **STO** three times.

```
          Address:__
             Auto:25

          STO     Option▶
```

5. Enter 〔4 GHI〕 〔0 ↻〕 as the address and press 〔▼〕 〔 F▸ 〕.

```
        #40      Stored
             84  Empty
             15  Used
```
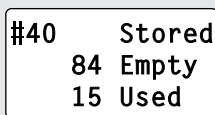
MESSAGING FEATURES

Your CDM-9150X Audiovox Cellular Telephone features Two-Way Short Message Service (SMS) that sends and receives Text Messages through your phone. The phone also supports Voice Mail Notification.

Please note that operation of these features depends on the Cellular System and therefore may not be available in all areas. To inquire about availability or to subscribe to these services, please contact your service provider.

Message Indicator

A message indicator ☑ displays the current state of received messages at the upper right of the screen.

☑ **Flashing**	You have new "urgent" Text Messages or new "urgent" Voice Mail Notification.
☑ **Steady**	You have new Text Messages or new Voice Mail Notification.
☑ **off**	Neither new Text Message nor new Voice Mail Notification.

Message Menu

The "**Message**" main menu appears by pressing ☑.

```
          Message
Send Message    ▶
Inbox  *12
Outbox *25
Voice Mail *
```
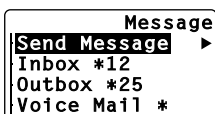
- **Send Message:** To create and send message.
- **Inbox:** To check the received messages.
- **Outbox:** To review the messages that you sent.
- **Voice Mail:** To view Voice Mail Notification.
- **Settings:** To customize the messaging features.
- **Address Entry:** To shift to the phonebook mode for entering e-mail address.

Notes: 1. *A mark "✳" flashes, when new messages are available in the Inbox or Voice Mail respectively.*

2. *A mark "✳" flashes, when draft messages remain unsent in the Outbox.*

3. *The number following Inbox and Outbox represent the number of messages each contains.*

4. *Shortcut to Inbox: Press and hold ☑ to open "**Inbox**".*

Receiving Text Messages

Your phone is able to receive and display a text message of up to 255 characters. The phone saves up to 30 messages in your Inbox.

When your phone receives a new text message, the ✉ indicator is displayed. The screen displays "**New Message**" with animation. Depending on the settings, the phone may also sound a short beep tone.

```
NewMessage 12/30
```

To Check Received Messages

1. Press and hold ✉ to open "**Inbox**".
2. The **Inbox** lists the received messages with sender name or number.

   Example:

   ```
   Inbox          01
    Jack          ▶
    J111
    1234567890
    Ken
   ```
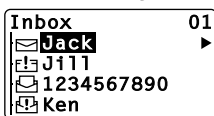
3. Scroll the list, and press ⏵.
4. The screen displays the time stamp, sender, callback number if available, and message, each time you press ⬇.
5. To view Inbox Option, press the key under **Option** .
6. To return to the list, press the key under **OK** .

Notes: 1. The sender name is as you programmed it in your phonebook.

2. The icons mean as follows:

   ✉ : **New text** that you have not viewed yet.

   ✉ : **Old text** that you have already viewed.

   ✉ : **Urgent, new text**

   ✉ : **Urgent, old text**

3. To dial a callback number, press the key under **Send** when the number appears.

4. This feature receives only English letters.
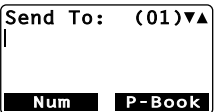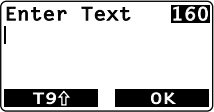
Inbox Option

- **Reply:** To shift to **Send Message** mode for replying to the message. Note this feature may not be available at all locations.
- **Forward:** To shift to **Send Message** mode for forwarding the received message.
- **Erase:** To erase the received message.
- **Save Address:** To save the sender address and callback number in your phonebook.
- **Search:** To search phone number(s) and e-mail address(es) in a received message for saving it into the phonebook, placing a call or sending a message.

Sending Text Messages

While operating in the digital mode, your phone is able to send a text message of up to 10 recipients with a cellular phone number or e-mail address. The phone saves up to 30 messages in your Outbox.

To Send a Text Message

1. Press $\boxed{\varpi}$ and $\boxed{F}$ to enter "**Send Message**" menu. The "**Send To**" appears.

    ```
    Send To:   (01)▼▲

    ───────────────
     Num       P-Book
    ```

2. Enter the cellular phone number or e-mail address. You can also recall it from your phonebook by pressing the key under **P-Book**.

3. Press the key under **OK**. Then "**Enter Text**" appears. Enter your message.

    ```
    Enter Text     160

    ───────────────
     T9⇧          OK
    ```

4. Press the key under **OK**. The menu appears for editing your message.

    ```
    Send Message
    ✓Edit Send To   ▶
    ✓Edit Text
     Priority
                 Send
    ```

5. To send the message, press $\boxed{\curvearrowright}$ or the key under **Send** while the $\boxed{D}$ indicator is on.

6. Then "**Sending Mail"** appears with animation.

    ```
    Sending Mail


    ◇
    ```

7. Depending on the settings, the message may be saved in the Outbox.

Notes: 1. To specify two or more recipients, press $\boxed{\cdot}$ after step 2, and repeat the same step.

2. To enter your text, see **Entering Letters and Symbols** on page 32.

3. The message length is up to 160 characters that includes the text message and the e-mail address. It may be shorter depending on your service provider.

4. This feature sends only English letters.

5. If attempted in the analog mode, your message will be saved in Outbox without being sent.

6. If you answer an incoming call while you are creating a message, it will be saved in Outbox as a draft.

Send-Message Menu

- **Edit Send To:** To correct address.
- **Edit Text:** To correct your message.
- **Priority:** To mark "**Urgent**" to your message.
- **Call Back # :** To change your call back number temporarily for your current message.
- **Delivery Ack:** To change acknowledgment mode temporarily for your current message.
- **Save to Outbox:** To save your message as a draft and exit from the messaging feature.

Note: See also **Default Call Back #** and **Default Delivery Ack** under **Messaging Feature Settings** on page 63.

To Review Sent Messages

1. Press (✉), scroll to "**Outbox**", and press (ᶠ⁾).
2. The **Outbox** lists the messages that you have sent.

    Example:

    ```
    Outbox           01
    ⌖✉Thank you fo ▶
    ✉Please call
    ⌖⎁Meeting wil⎕
    ✏Hello katie
    ```
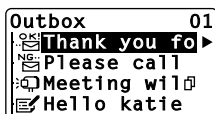
3. Scroll the list, and press (ᶠ⁾).
4. The screen displays the time stamp, recipient, call-back number if available, and message, each time you press (ᵥ).
5. To view Outbox Option, press the key under **Option**.
6. To return to the list, press the key under **OK**.

Notes: 1. The list shows the first 12 characters per message.

      2. The icons mean as follows:

        ⌖✉ : Message **sent** already

        ✉ : Message **failed** to send

        ⌖⎁ : Message **delivered** successfully

        ✏ : Message **saved** as draft

        ⎕ : For two or more recipients.

Outbox Option

- **Edit:** To shift to **Send Message** mode for editing the message.
- **Resend:** To re-send the message to the same address while the ▣ indicator is on.
- **Erase:** To erase the message.

Voice Mail

In order to use voice mail, you must first activate your voice mailbox. For information on how to do this, please contact your service provider.

Voice Mail Notification

The voice mail system sends a notification to your phone when new messages are left in your voice mailbox.

Normal Voice Mail Notification

Your phone notifies you when new messages are in your voice mailbox.

1. The ✉ indicator is displayed. The screen displays "**Voice Mail Msg.**" with animation. Depending on the settings, the phone may also sound a short beep tone.

   ```
   Voice Mail Msg.
   ```

2. To learn how many messages are in your voice mailbox, see **To Display Number of Voice Mail Messages** below.
3. To listen to your voice mail messages, see **Voice Mail Dialing** on the following page.

Voice Mail Notification with Mail Retrieval Service (MRS)

1. The screen displays "**Message Retrieval**". Depending on the settings, the phone may also sound 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 Number of Voice Mail Messages

1. Press 🖂, scroll to "**Voice Mail**", and press ⊙.
2. The screen displays the number of messages in your voice mailbox.

   Example:

   ```
   *Voice Mail*
   Apr 11 10:15 am

   12 Waiting
   Option ⬍    OK
   ```
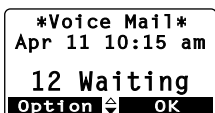
3. Press ⊙ to view additional information.
4. To erase the voice mail notification, press the key under **Option** and select "**Erase**".

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Voice Mail Dialing $(V+/\triangleleft)$

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 $(V+/\triangleleft)$.

To Store the Voice Mail Access Number

Please see **To Store Linked Numbers in Phonebook** on page 50, and follow the steps 1 through 3 to make a set of linked numbers. Press the key under **STO** three times, and press $(V+/\triangleleft)$ to store.

Up to 80 digits of linked numbers can be stored including link mark " **=** ". You can also add a Name Tag (up to 24 characters) with your voice mail number. (See **To Store a Name with the Phone Number** on page 38.)

To Call Your Voice Mail

1. Press and hold $(V+/\triangleleft)$. The first number will be displayed and dialed.
2. Press $(V+/\triangleleft)$. The second number will be displayed and sent in Touch Tone™ signal.
3. The succeeding numbers can be sent sequentially by pressing $(V+/\triangleleft)$.

To Review the Voice Mail Access Number

1. Press (•Rcl) to select the Phonebook Address Mode.
2. Press $(V+/\triangleleft)$ (F) (F). The first linked number in $(V+/\triangleleft)$ will be displayed.
3. Press (F) (one or more times) to display the remaining linked numbers in $(V+/\triangleleft)$.

Messaging Feature Settings

The following menu allows you to customize your phone's Text Messages and Voice Mail Notification features.

Default Call Back

Enter your callback number as default that will be added to all sending text messages. Your own phone number has been preset to the callback number for your convenience. To change it for an individual message, see **Send-Message Menu** on page 60.

Default Delivery Ack

For sending your text message, you can request a delivery acknowledgment that the recipient receives the message.

Select one of the following modes as default. To change it for an individual message, see **Send-Message Menu** on page 60.

- **Enhanced Ack:** When the acknowledgment is received, the phone displays "**Delivered!**" with the time stamp and recipient, and it also turns the icon 📧 (sent) into 📩 (delivered) in the Outbox.
- **Normal Ack:** When the acknowledgment is received, the phone turns the icon 📧 (sent) into 📩 (delivered) in the Outbox.
- **No Ack:** No acknowledgment is requested.

Note: The "**Delivered!**" is displayed for the messages that have been saved in the Outbox.

New Message Alert

This feature alerts you when a new text message is received. Select one of the settings below.

- **Alert On:** Short beep tone sounds once.
- **Alert Off:** Alert does not sound.
- **Vibrate Only:** Vibrating alert only.
- **Reminder:** Short beep tone sounds at every 2 minutes while animation is displayed.

Voice Mail Alert

This feature alerts you when a new voice mail notification is received. Select one of the settings below.

- **Alert On:** Short beep tone sounds once.
- **Alert Off:** Alert does not sound.
- **Vibrate Only:** Vibrating alert only.
- **Reminder:** Short beep tone sounds at every 2 minutes while animation is displayed.

Text Entry Mode

This feature allows you to select a text entry mode that appears first for entering your message.

- **T9 Mode:** "**T9**" appears first, then, "**Abc**", "**Num**" and "**Sym**".
- **Alpha Mode:** "**Abc**" appears first, then, "**T9**", "**Num**" and "**Sym**".

Save Sent Message

This feature allows you to select whether to save messages that you sent.

- **Auto Save:** All messages are saved in the Outbox.
- **Prompt:** The phone prompts you to choose it for every message.
- **Do not Save:** No message is saved.

Erase All Text Messages

This feature erases all text messages saved in the Inbox or Outbox.

SMS Text Lines Selection

You can select to have the text messages displayed in 4 or 6 lines for the Inbox and Outbox.

SMS Memory Management

This feature allows you to select Inbox memory management.

- **Auto Delete:** If the Inbox is full, it deletes the oldest text message to save a new text message.
- **Warning Msg.:** If the Inbox is full, it does not save any new text message, displaying "**Memory Full, New Text Rejected**".

*Note: The Outbox functions always in **Auto Delete** mode.*

Reply with Copy

This feature allows you to reply to a message with a copy of part of the incoming message attached automatically.

- **Yes:** Reply with copy
- **No:** Reply without copy

When "**Yes**" is selected, the phone replies to a message by attaching "Message was:" and copying the first 20 characters of the received message.

*Note: See the **Reply** menu in **Inbox Option** on page 58.*

WEB BROWSING

Your CDM-9150X Audiovox Cellular Telephone allows you to enjoy accessing various Internet websites directly from your phone, including news, sports, travel, and weather, if you subscribe to Internet service with your service provider. Your phone also supports network services such as e-mailing with the web browser. Please contact your service provider for details of the available services.

Accessing Internet

Your phone is able to access the Internet while it operates in the digital mode, as indicated by the **D** indicator.

To Start Web Browser

1. Press the key under **Web** on standby to enter "**Web Menu**".

```
Web Menu
1:Alert Inbox  ▶
2:Internet
3:Settings
```
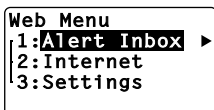
2. Scroll to "**Internet**", and press $\boxed{\text{F}}$.
3. The Web Browser will start. The cached information may be displayed.
4. To access the Internet, press and hold $\boxed{\text{CLR}}$ while **D** indicator is on. Your phone will display your service provider's home page with a flashing $\boldsymbol{\curvearrowright}$.

   Example:

```
 ╥ıⅡD      ⌒        ⊏▱
Home Menu
1>Email
2 Contacts
3 Calendar
 Inbox ⬍       OK
```
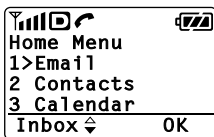
5. Scroll the page by $\boxed{\,\widehat{\ }\,}$ or $\boxed{\,\smile\,}$.
6. Press $\boxed{\text{I}}$ or $\boxed{\text{II}}$ to select the menu option in the bottom line of the display.
7. To return to the previous page, press $\boxed{\text{Rcl}}$ or $\boxed{\text{CLR}}$.
8. To terminate the network access, press $\boxed{\text{⑧}}$. The $\boldsymbol{\curvearrowright}$ indicator will go out. You can still browse the cached information.
9. Press $\boxed{\text{⑧}}$ again to close the web browser.

BROWSER BY

RSA™ SECURE

OPENWAVE™

Browser Menu

Press (V+/x) key while the browser is active to see the browser's local menu. This menu is always displayed in English.

```
Browser Menu
1>Reload
2 Home
3 Bookmarks
 Back ⬍     OK
```
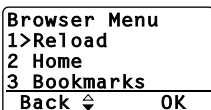
1. **Reload**: To reload the current page.
2. **Home**: To get back to the Home page. Press and hold (CLR) will do the same.
3. **Bookmarks**: To view your bookmark list.
4. **Mark Site**: To store the current page in your bookmark list.
5. **About Openwave**: To view the browser version.
6. **Advanced**:
   • **Show URL**: To display the URL (Uniform Resource Locator) of the current page.
   • **Homepage**: To change your home page.
   • **Set WAP Proxy**: To select a network server.
   • **Restart Browser**: To clear the cache memory in your browser.
   • **Encryption**: To use for security.

Note: Altering of the settings on the "**Homepage**" and "**Set WAP Proxy**" may disable the web access.

E-mailing with Browser

The Web Browser allows you to send and receive e-mails directly through your phone. Please contact your service provider for details of the service.

To Receive E-mails

When e-mail arrives at your mailbox, an alert is sent to your phone.

1. Receiving the alert, the web browser starts automatically and notifies you on the screen.

Example:
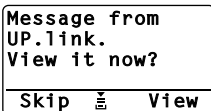
```
Message from
UP.link.
View it now?

 Skip  ☱   View
```

2. Press the key under "**View**" for accessing your service provider's home page to view your e-mail.
3. If you select "**Skip**", the alert is saved in Alert Inbox for later checking.

To Check Alert Inbox

When your Alert Inbox saves alerts, the screen turns **Web** into **⊠Web** at its bottom. It saves up to 9 alerts.

1. Press the key under **⊠Web** to enter "**Web Menu**".
2. Press (F) to open "**Alert Inbox**".

   Example:

   ```
   Alert Inbox
   1>Email
   2 Calendar

   Erase ⊠   View
   ```

3. Press the key under "**View**" for accessing your service provider's home page to view your e-mail.

To Send E-mails

Your browser is able to send an e-mail message of up to 512 characters. The message length may be shorter depending on your service provider.

1. Follow the step 1 through 4 on **To Start Web Browser** to access your service provider's home page and select the menu "e-mail".
2. Enter address and message, while connected to the home page. To enter letters, see **Entering Letters and Symbols** on page 32.

Note: English letters are always applied to enter e-mails with your browser.

Web Browser Settings

Your cellular telephone is already programmed for Internet service that may be available from your Service Provider. You can customize your browser with the following four menus only.

Web Lock

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.

Web Backlight

You can turn on/off the backlight setting during the web access. Select the menu: "**30sec.**" (5s to 99sec), "**Off**" or "**Always On**".

Web Idle Timer

If there is no network activity within a specific time, the web access call is automatically terminated. Set the timer between "**0min.01sec.**" and "**9min.59sec.**" To deactivate this feature, set the timer to "**0min.00sec.**"

Confirm — Connect Prompt

You can turn on/off a prompt "**Set up Connection?**" for accessing the Internet.

Connection Settings

Never use the following "Connection" menus to change any phone settings unless otherwise instructed by your carrier. Altering any of these settings may disable Web access capability.

Your phone can have up to 4 sets of the server IP (Internet Protocol) addresses and Port numbers to access your service provider's website. These may already be preset or be advised by your service provider.
To change the settings, enter your 4-digit Security Code.

Changing IP addresses in "Web Link A"

1. Scroll to "**Web Link A**" and press (F▸).
2. Enter **Link A Primary IP Address** and press (F▸).
3. Enter **Link A Primary Port number** and press (F▸).
4. Enter **Link A Secondary IP Address** and press (F▸).
5. Enter **Link A Secondary Port number** and press (F▸).

Changing IP addresses in "Web Link B"

Scroll to "**Web Link B**" and press (F▸), and follow the above steps 2 through 5 for **Link B**.

Notes: 1. *An IP address must be 12-digit long to enter. If you have, for example, 123.45.67.8, then enter* (1) (2ABC) (3DEF), (0 ¿) (4 GHI) (5 JKL), (0 ¿) (6MNO) (7PQRS), (0 ¿) (0 ¿) (8TUV).
2. *Your phone may display the stored IP addresses or Port numbers in the above steps. Then press* (F▸) *to keep them unchanged.*

QNC Info.

The "**Username**" and "**Password**" are normally blank. The "**Auth.Type**" is normally set to "**None**". Altering any of these settings may disable the Web access.

Packet Info.

To enable accessing with packet mode, the "**Username**" and "**Password**" should be programmed as advised by your service provider. The "**Auth.Type**" is normally set to "**CHAP**". Altering any of these settings may disable the Web access.

Current Link

This is normally set to "**Web Link A**". Altering to "**Web Link B**" may disable the Web access.

Service

This mode is normally set to "**Auto**". Altering to "**Packet**" or "**QNC**" may disable the Web access.

FUNCTION MENU

To Access Function Menu

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

By Scrolling

1. Press ⓕ to enter Main Menu.

```
                          F1_
1:Lock                     ▶
2:Display
3:Tones
4:Times
```

2. Scroll with ⌃ or ⌄ key to the desired item in the Main Menu.

```
                          F3_
1:Lock
2:Display
3:Tones                    ▶
4:Times
```

3. Press ⓕ to enter the submenu.

```
                          F31
1:Ring Volume              ▶
2:Ringer Type
3:Key Volume
4:DTMF Send
```
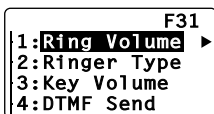
4. Scroll with ⌃ or ⌄ key to the desired item in the submenu.

```
                          F32
1:Ring Volume
2:Ringer Type              ▶
3:Key Volume
4:DTMF Send
```
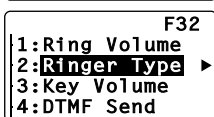
5. Press ⓕ to enter the function.

By Shortcut

Each Function has its shortcut number for direct access. For example, to enter the function "**Ringer Type**" (F32), press ⓕ (3ᴅᴇꜰ) (2ᴀʙᴄ).

To Exit from Function Menu

• To return from a submenu to the main menu, press (◂Rcl).

• 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.

  3. The screen may display dual prompts such as **OK** ▶ . This means that pressing the ⓕ key operates the same as pressing the key under **OK** .

Function Menu Tree

Main Menu ·········· *Submenu* ············ *Branch*

1: Lock
- 1: Keypad Lock (F11)
- 2: Phone Lock (F12)
- 3: Auto Lock (F13)
- 4: Unlock Code (F14)

2: Display
- 1: My Number (F21)
- 2: Backlight (F22)
  - 1: Standby
  - 2: In-Use
- 3: Auto Hyphen (F23)
- 4: Language (F24)
- 5: Contrast (F25)
- 6: Version (F26)
- 7: Last SID (F27)
- 8: PRL ID (F28)

3: Tones
- 1: Ring Volume (F31)
- 2: Ringer Type (F32)
- 3: Key Volume (F33)
- 4: DTMF Send (F34)
- 5: Settings (F35)
  - 1: Key Tone
  - 2: Beep Alert
  - 3: Caller ID
  - 4: Service
  - 5: Voice Privacy
  - 6: Minute
  - 7: Low Battery

4: Times
- 1: Call Timers (F41)
- 2: Clock (F42)
- 3: Adjust (F43)
- 4: Alarm (F44)
- 5: Count Down (F45)
  - 1: Last Call
  - 2: Outgoing
  - 3: All Calls
  - 4: Lifetime
  - 5: Web Total

5: Systems
- 1: A/B Switch (F51)
- 2: NAM Change (F52)
- 3: Force Analog (F53)
- 4: Settings (F54)
  - 1: NAM Name Tag
  - 2: Auto NAM
  - 3: Auto Retry
  - 4: Voice Privacy

6: Security
- 1: Restrict (F61)
- 2: Emer. Number (F62)
- 3: 1-Touch Emer. (F63)
- 4: Code Number (F64)
- 5: Reset (F65)
  - 1: Timers
  - 2: Phonebook
  - 3: History
  - 4: Text/Voice
  - 5: Settings

7: Data Comm.
- 1: Service (F71)
- 2: Data/Fax (F72)
- 3: TTY (F73)

8: Vibrator

9: Voice Dial

0: Other
- 1: Quick Dialing (F01)
- 2: Auto Answer (F02)
- 3: Absence (F03)
- 4: Redial Key (F04)

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

When "**Security Code:**" is displayed, you need to enter your four-digit security code.

```
Security Code:



        OK    ▶
```

See **To Change the Security Code (F64)** on page 85.
See **To Change the Unlock Code (F14)** on page 72.

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.
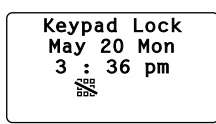
- Incoming calls can be answered with $\bigcirc$.
- Muting the ringer or stopping the vibrating with $\bigcirc$.
- Programmed emergency numbers can be called. (Except for **One-Touch Emergency Call**.)

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

- Automatic Answering
- Any Key Answering
- One-Touch Emergency Call
- Quick Dialing
- Turning off the phone by $\bigcirc$.

To Activate/Deactivate this Feature:

1. Press $\bigcirc$ $\bigcirc$ $\bigcirc$ to activate "**Keypad Lock**" mode.

2. Press $\bigcirc$ $\bigcirc$ $\bigcirc$ again to deactivate.

```
Keypad Lock
May 20 Mon
 3 : 36 pm
    ▨
```

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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 🔿.
- Muting the ringer or stopping the vibrating with 🔘.
- Any Key Answering
- Programmed Emergency Call
- One-Touch 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 (F▸) (1) (2ᴬᴮᶜ) to activate "**Phone Lock**" mode.

```
Phone Lock
May 20 Mon
3 : 52 pm
🔒
```
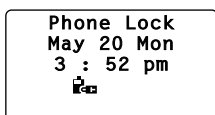
Note: The phone will remain locked even if the power is turned off.

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 (F▸) (1) (3ᴰᴱᶠ).
2. You can turn this feature on/off by ⌃ or ⌄.
3. Press (F▸) to set.

```
Automatic    F13
Phone Lock
  On
√ Off
            OK ▸
```

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 (F▸) (1) (4ᴳᴴᴵ).
2. Enter the four-digit security code and press (F▸).
3. The current unlock code will be displayed.
4. Enter a new four-digit unlock code and press (F▸).

```
New          F14
Unlock Code?

          1234
          Set ▸
```

72
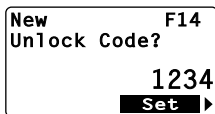
Display Features

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.

1. Press (F) (2ABC) (1).
2. Press (F) to exit.

```
My Number    F21
(SIDH)     00020

        123-456-7890
              OK  ▶
```

Backlight Control (Standby) (F22-1)

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

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

1. Press (F) (2ABC) (2ABC) (1).
2. You can change the current mode by (˄) or (˅).
3. Press (F) to set.

```
Backlight   F221
Standby
√10sec.        ▶
 Off
 Always On
```

• *10 Seconds Mode*

Backlight is on for 10 seconds after any key is pressed. It also lights automatically for an incoming call. To change the duration, press (F), enter a desired time (5 to 30 seconds) and press (F).

• *Off Mode*

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

• *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)** below.*

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 (F) (2ABC) (2ABC) (2ABC).
2. Scroll with (˄) or (˅) to "**Normal**" or "**Always On**".
3. Press (F) to set.

```
Backlight   F222
In-Use
√Normal         ▶
 Always On
```

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Auto Hyphenation (F23)

See **Auto Hyphenation** on page 36.

1. Press (F) (2ABC) (3DEF).
2. Scroll with (↑) or (↓) to "**On**" or "**Off**".
3. Press (F) to set.

```
Auto Hyphen F23

✓On
 Off
              OK ▶
```
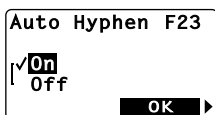
Language Selection (F24)

This feature allows you to select the language the menus and prompts are displayed in. There are four options: English, Spanish, French, and Portuguese.

1. Press (F) (2ABC) (4GHI).
2. Scroll with (↑) or (↓) to the desired language.
3. Press (F) to set.

```
Language       F24

✓English
 Español
              OK ▶
```

Contrast Control (F25)

The LCD display contrast can be adjusted in 7 steps to suit your taste.

1. Press (F) (2ABC) (5JKL).
2. Adjust the contrast with (↑) or (↓).
3. Press (F) to set.

```
Contrast       F25

              OK ▶
```
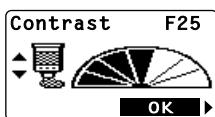
Software Version Review (F26)

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

1. Press (F) (2ABC) (6MNO).
2. Press (F) to exit.

```
Version        F26


           01.23
              OK ▶
```
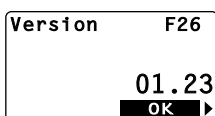
Last Rescan SID Indicator (F27)

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

1. Press (F) (2ABC) (7PQRS).
2. Press (F) to exit.

```
Last Rescan F27

SID        00020
NID        00005
              OK ▶
```
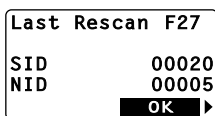
PRL ID Review (F28)

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

1. Press (F) (2ABC) (8TUV).
2. Press (F) to exit.

```
PRL ID         F28

PRL        12345
ERI        43210
              OK ▶
```
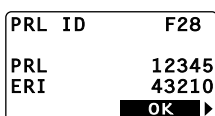
Volume and Tone Controls

Ringer Volume Control (F31)

This feature allows you to adjust the ringer/melody volume. The following adjustment will also change the volume of the **Clock Alarm** alert and the **Countdown Timer** alert.

1. Press (F▸) (3 DEF) (1).
2. Keep pressing (⌃) or (⌄) until you get the desired sound level, or "**Silent**" mode.

```
Ring Volume
≑ ▬▬▬▬▬ ❏♪
```

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

Ringer Type Selection (F32)

This feature permits you to select a ringer tone pattern from 15 options including melody ringers.

1. Press (F▸) (3 DEF) (2 ABC).
2. Press (⌃) or (⌄) to select the ringer tone.
3. Press (F▸) to set.

```
Ringer Type F32
✓Ringer #01
 Ringer #02
          OK ▸
```
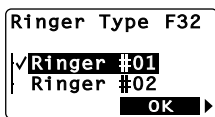
Key Tone Volume Control (F33)

1. Press (F▸) (3 DEF) (3 DEF).
2. Keep pressing (⌃) or (⌄) until you achieve the desired sound level, or "**Silent**" mode.

```
Key Volume
≑ ▬▬▬▬▬ ⊞«
```

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

Sending DTMF (F34)

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

1. Press (F▸) (3 DEF) (4 GHI).
2. Scroll to "**On**" or "**Off**" to select.
3. Press (F▸) to set.

```
DTMF Send    F34
✓On
 Off
          OK ▸
```
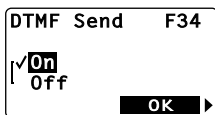
Key Tone Length (F35-1)

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

1. Press (F) (3 DEF) (5 JKL) and (1).
2. You can change the current mode by (↑) or (↓).
3. Press (F) to set.

```
Key Tone      F351
Length
 ┌√Normal
 └ Short
              OK  ▶
```
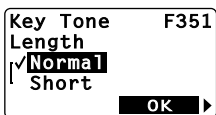
• **Normal Mode**

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

• **Short Mode**

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

Single Alert Beep Tone (F35-2)

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 **Ringer Volume Control (F31)** on page 75.

1. Press (F) (3 DEF) (5 JKL) and (2 ABC).
2. You can turn this feature on/off by (↑) or (↓).
3. Press (F) to set.

```
Beep Alert    F352

 ┌ On
 └√Off
              OK  ▶
```
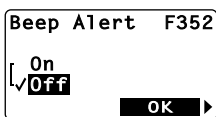
Caller ID Alert (F35-3)

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

1. Press (F) (3 DEF) (5 JKL) and (3 DEF).
2. You can turn this feature on/off by (↑) or (↓).
3. Press (F) to set.

```
Caller ID     F353
Alert
 ┌√On
 └ Off
              OK  ▶
```
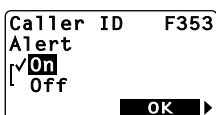
Service Mode Alert (F35-4)

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) (5 JKL) and (4 GHI).
2. You can turn this feature on/off by (↑) or (↓).
3. Press (F) to set.

```
Service       F354
Alert
 ┌ On
 └√Off
              OK  ▶
```

Voice Privacy Alert (F35-5)

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

1. Press (F) (3 DEF) (5 JKL) and (5 JKL).
2. You can turn this feature on/off by (▲) or (▼).
3. Press (F) to set.

```
Voice        F355
Privacy Alert
  On
√Off
            OK  ▶
```

One Minute Beep Tone (F35-6)

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) (5 JKL) and (6 MNO).
2. You can turn this feature on/off by (▲) or (▼).
3. Press (F) to set.

```
Minute       F356
Alert
  On
√Off
            OK  ▶
```

Low Battery Alarm (F35-7)

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

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

1. Press (F) (3 DEF) (5 JKL) and (7 PQRS).
2. You can turn this feature on/off by (▲) or (▼).
3. Press (F) to set.

```
Low          F357
Battery Alarm
√On
  Off
            OK  ▶
```

Call Timers

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

Last Call Timer (F41-1)

1. Press (F) (4 GHI) (1).
   The talk time of the last call will be displayed.
2. Press (F) to exit.

```
Call Timers F411
            1M 23S
1:Last Call
2:Outgoing
            OK  ▶
```
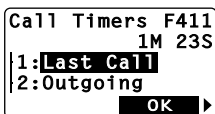
Outgoing Call Timer (F41-2)

1. Press (F) (4 GHI) (1) and (2 ABC). The cumulative talk time of all outgoing calls will be displayed. Web access call will not be added in this timer.
2. Press (F) to exit.

```
Call Timers F412
           34M 56S
2:Outgoing
3:All Calls
            OK  ▶
```

77
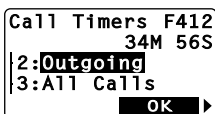
All Calls Timer (F41-3)

1. Press (F) (4 GHI) (1) and (3 DEF). The cumulative talk time of all incoming and outgoing calls will be displayed. Web access call will not be added in this timer.

```
Call Timers F413
      1H 23M 45S
3:All Calls
4:Lifetime
            OK  ▶
```

2. Press (F) to exit.

Note: *The above three timers can be reset to zero by using* **Call Timer Reset (F65-1)** *on page 85.*

Lifetime Timer (F41-4)

1. Press (F) (4 GHI) (1) and (4 GHI). The cumulative "lifetime" talk time of all incoming and outgoing calls will be displayed.
This timer cannot be reset to zero.

```
Call Timers F414
     12H 34M 56S
4:Lifetime
5:Web Total
            OK  ▶
```

2. Press (F) to exit.

Web Total Timer (F41-5)

1. Press (F) (4 GHI) (1) and (5 JKL). The cumulative time of web access call will be displayed.
2. Press (F) to exit.

```
Call Timers F415
        53M 45S
5:Web total
1:Last Call
            OK  ▶
```

Note: *This timer can be reset to zero by using* **Call Timer Reset (F65-1)** *on page 85.*

Clock Indicator (F42)

Date and Time are automatically displayed, if this feature is enabled.

1. Press (F) (4 GHI) (2 ABC).
2. You can turn this feature on/off by (▲) or (▼).
3. Press (F) to set.

```
Clock        F42
Indicator
√On
 Off
            OK  ▶
```
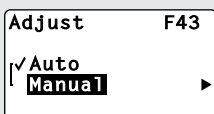
Clock Adjustment (F43)

You can use your clock in **Auto** or **Manual** mode.
In **Auto** mode, your clock synchronizes to the base time of the CDMA system and displays the local time of the area where you are, while the $\square$ indicator is on.
In **Manual** mode, your clock always works alone, and can be adjusted manually.

Example: To set the time to 9:15 a.m. Apr. 21, 2002 in **Manual** mode.

1. Press $\widehat{(F)}$ $\widehat{(4_{GHI})}$ $\widehat{(3_{DEF})}$.

2. Scroll to "**Manual**" and press $\widehat{(F)}$.

```
Adjust         F43
√Auto
 Manual          ▶
```

3. Enter the year $\widehat{(0\,\eth)}$ $\widehat{(2_{ABC})}$, month $\widehat{(0\,\eth)}$ $\widehat{(4_{GHI})}$, day $\widehat{(2_{ABC})}$ $\widehat{(1)}$, time $\widehat{(0\,\eth)}$ $\widehat{(9_{WXYZ})}$ $\widehat{(1)}$ $\widehat{(5_{JKL})}$ and $\widehat{(1)}$ for a.m. (or $\widehat{(2_{ABC})}$ for p.m.)

```
Adjust       ▼▲F43
   '02 04/21
    09:15am
    STO
```
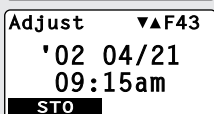
4. Press the key under **STO** to set.

Notes: 1. In step 3 above, you can correct a digit by $\widehat{(\,\char`\^\,)}$ or $\widehat{(\,_\vee\,)}$, moving the cursor by $\widehat{(Rcl)}$ or $\widehat{(F)}$.

2. The clock works internally during power off, and will display the time in the same mode when you turn the power on.

Clock Alarm (F44)

This feature alerts you repeatedly at the alarm time you programmed.

Example: To set the alarm time to 7:30 a.m.

1. Press $\widehat{(F)}$ $\widehat{(4_{GHI})}$ $\widehat{(4_{GHI})}$.
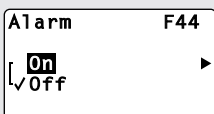
2. Scroll to "**On**" and press $\widehat{(F)}$.

```
Alarm          F44
 On              ▶
√Off
```

3. Enter the alarm time $\widehat{(0\,\eth)}$ $\widehat{(7_{PQRS})}$ $\widehat{(3_{DEF})}$ $\widehat{(0\,\eth)}$ and $\widehat{(1)}$ for a.m. (or $\widehat{(2_{ABC})}$ for p.m.)

```
Alarm        ▼▲F44
    07:30am
    STO
```
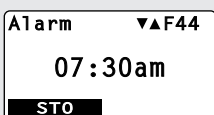
4. Press the key under **STO** to set. The $\triangle$ indicator will be displayed.

5. At the alarm time, the alarm will ring for one minute with animation.

```
It's Time.
```
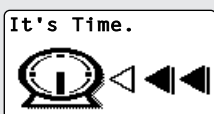
6. Press any key to stop ringing.

7. The clock alarm will repeat to ring every day until you cancel the feature.

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Notes: 1. If the alarm is set to sound during a call, the clock alarm will ring after the call.

2. The clock alarm does not ring during power off, but this feature will be activated again when you turn the power on.

3. The clock alarm may not ring in **Auto** mode if you skip the alarm time traveling into an area with the different local time.

4. See **Ringer Volume Control (F31)** on page 75 to change the alarm sound volume.

5. In place of the alarm sound, you can use **Vibrating Alert (F8)** on page 89.

Countdown Timer (F45)

This feature alerts you when the countdown timer expires. The timer can be set to 1 through 99 minutes.

To Start the Countdown Timer

1. Press (F) (4 GHI) (5 JKL).
2. Enter the duration, 1 to 99 minutes.
3. Press (F) to start. The ⏲ indicator will be displayed.

```
Count Down   F45
Timer
             00min.
      OK    ▶
```

4. When the timer expires, the alarm will ring for one minute with animation.
5. Press any key to stop ringing.

```
Time is UP!
     ◁ ◀◀
```
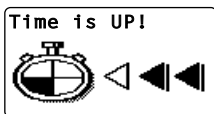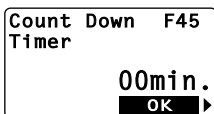
To Cancel the Countdown Timer

1. Press (F) (4 GHI) (5 JKL) again after the timer has started.
2. "**Count Down Stop?**" is displayed with the remaining minutes to expire.

```
Count Down   F45
Stop?      30min.
Yes
No
      OK    ▶
```

3. Scroll to "**Yes**" and press (F) to cancel. The ⏲ indicator will go out.
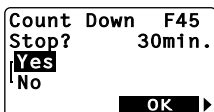
Notes: 1. If the timer expires during a call, the alarm will ring after the call.

2. When you turn the power off, the countdown timer will be canceled.

3. See **Ringer Volume Control (F31)** on page 75 to change the alarm sound volume.

4. In place of the alarm sound, you can use **Vibrating Alert (F8)** on page 89.

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 $\fbox{F}$ $\fbox{5_{JKL}}$ $\fbox{1}$. The current mode will be displayed.

```
A/B Switch   F51
✓Auto A-System
 Auto B-System
          OK  ▶
```

2. You can change the current mode by $\overset{\frown}{\bigcirc}$ or $\underset{\smile}{\bigcirc}$.

3. Press $\fbox{F}$ to set.
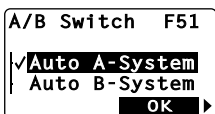
• Auto A-System

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

• Auto B-System

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

• Home Only

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

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 "$\mathcal{K}$" and "Rm" are not displayed on your phone. 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 a flashing "$\mathcal{K}$", you may have to change your A/B System Selection or NAM Selection in order to obtain service. If your display indicates "$\mathcal{K}$", you are in an area where there is no cellular service.

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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 (F) (5 JKL) (2 ABC).
2. You can change the current NAM by (⌃) or (⌄).
3. Press (F) to set.

```
NAM Change   F52
 ✓#1 1234567890
  #2 9876543210
              OK  ▶
```
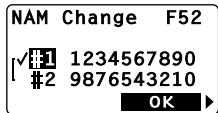
Force Analog Call (F53)

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

1. Press (F) (5 JKL) (3 DEF).
2. Press (F) when scanning the Analog Mode.

```
Force        F53
Analog
 Yes
 Quit
              OK  ▶
```
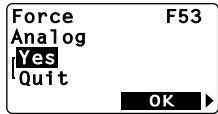
Notes: This feature automatically ends if:

   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.

NAM Name Display (F54-1)

You can program a greeting or a name of a maximum 12 characters on 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 82.) As you can program a different name for each NAM, you can tell which NAM is currently active when you turn the phone on.

1. Press (F) (5 JKL) (4 GHI) and (1).

```
NAM Name      F541
Tag
▓1 <No Name>  ▶
 #2 <No Name>
```
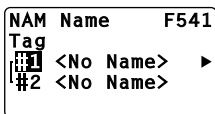
2. You can select other NAM by (⌃) or (⌄).
   Then press (F) to edit.

```
NAM Name      F541

STO       abc
```

3. Enter your message.
   (See **Entering Letters and Symbols** on page 32.)
4. Press the key under **STO** to store the message.
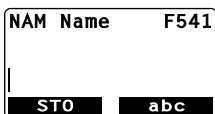
Automatic NAM (F54-2)

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 (F) (5 JKL) (4 GHI) and (2 ABC).

```
Automatic     F542
NAM
  On
 √Off
              OK  ▶
```

2. You can turn this feature on/off by (⌃) or (⌄).
3. Press (F) to set.
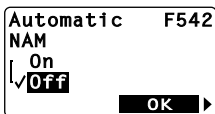
Automatic Retry (F54-3)

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

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

1. Press (F) (5 JKL) (4 GHI) and (3 DEF).

```
Automatic     F543
Retry
  On
 √Off
              OK  ▶
```

2. You can turn this feature on/off by (⌃) or (⌄).
3. Press (F) 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 (F▸) (5ʲᴷᴸ) (4ᴳᴴᴵ) and (4ᴳᴴᴵ).

```
Voice        F544
Privacy
  Enhanced
✓Standard
             OK  ▸
```

2. To request the cellular system to provide the enhanced voice privacy service, select "**Enhanced**" with (˄) or (˅), and press (F▸).

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 (F▸).

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.

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▸) (6ᴹᴺᴼ) (1).

```
Restrict      F61
✓Off
  11Digits
              OK  ▸
```

2. Enter the four-digit security code and press (F▸).

3. You can select the mode by (˄) or (˅).

4. Press (F▸) to set.
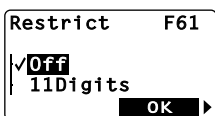
The available Restriction modes are as follows:

• **11 Digits Mode**

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

• **7 Digits Mode**

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

• **Operator Mode**

Operator assisted dialing (0 Origination Call) is prohibited.

• **Rcl 01-09 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 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

1. Press (F▸) (6MNO) (2ABC).
2. Enter the four-digit security code and press (F▸).
3. Press (▲) or (▼) to select the emergency number memory location (1, 2 or 3) that you want to change or program, and press (F▸).

```
Emergency      F62
Number
 #1 911          ▶
 #2 *911
 #3
```

4. Enter the new emergency number, and press (F▸).
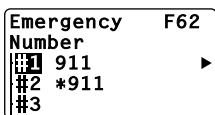
Note: *The emergency number in memory location 1 will be dialed when the **One-Touch Emergency Call** feature is used.*

To Turn On/Off One-Touch Emergency Call Feature (F63)

1. Press (F▸) (6MNO) (3DEF).
2. Enter the four-digit security code and press (F▸).
3. You can turn this feature on/off by (▲) or (▼).
4. Press (F▸) to set.

```
1 Touch        F63
Emergency
 √On
  Off
              OK  ▶
```
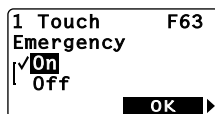
To Change the Security Code (F64)

1. Press (F▸) (6MNO) (4GHI).
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▸).

```
New Code?      F64

             1234
              Set ▶
```
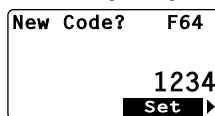
Call Timer Reset (F65-1)

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

1. Press (F▸) (6MNO) (5JKL).
2. Enter the four-digit security code and press (F▸).
3. Press (1).
4. Press (F▸) to reset the call timers.

```
Reset         F651
Timers
 Yes
 No
              OK  ▶
```

Phonebook All Clear (F65-2)

This feature clears all the phonebook locations (01 to 99) and the voice mail dialing memory (V+/🔢).

1. Press (F▸) (6MNO) (5JKL).
2. Enter the four-digit security code and press (F▸).
3. Press (2ABC).
4. Press (F▸) to clear the memory.

```
Reset          F652
Phonebook
Yes
No
                OK  ▸
```

Call History All Clear (F65-3)

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

1. Press (F▸) (6MNO) (5JKL).
2. Enter the four-digit security code and press (F▸).
3. Press (3DEF).
4. Press (F▸) to clear the history.

```
Reset          F653
History
Yes
No
                OK  ▸
```

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

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

1. Press (F▸) (6MNO) (5JKL).
2. Enter the four-digit security code and press (F▸).
3. Press (4GHI).
4. Press (F▸) to clear the message.

```
Reset          F654
Text/Voice
Yes
No
                OK  ▸
```

Function Reset (F65-5)

This feature resets the User-Programmable functions.

1. Press (F▸) (6MNO) (5JKL).
2. Enter the four-digit security code and press (F▸).
3. Press (5JKL).
4. Press (F▸) to reset.

```
Reset          F655
Settings
Yes
No
                OK  ▸
```

*Note: See **Function Reset Status** on page 91.*

Data Communications

Your phone will work as a wireless modem when connected to your PC computer or laptop with the optional data cable (MOK-9150) and when operating in digital mode. There are 3 different data settings with 3 different speeds:

- **Circuit** Mode : 14.4 kbps
- **Packet Middle** : 115.2 kbps
- **Packet High** : 144 kbps

Packet Middle and **Packet High** will work only when "$1X$" is displayed in the lower left-hand corner of the display. The availability of these features and the actual data speeds depend on your service provider.

Service Mode (F71)
This feature allows you to select the data service setting of your phone.

To set the Data Service Mode

1. Press (F▸) (7PQRS) (1).
2. Select the desired mode by pressing (F▸).

```
Data          F71
Service
✓Circuit
  Packet High
            OK ▸
```
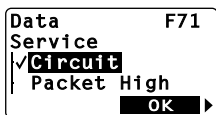
Notes: 1. **Data/Fax Mode (F72)** is set to "**Off**" automatically when you select "**Packet Middle**" or "**Packet High**" for the Data Service Mode.

2. When your phone is in "**Packet Middle**" or "**Packet High**", you can only use (📞).

3. The current setting will remain, even if the phone is powered on/off.

4. For additional information on connecting your phone to your PC computer or laptop, please refer to the MOK-9150 owner's manual.

5. **Data Service Mode (F71)** must be set to "**Circuit**" to send data or fax.

Data/Fax Mode (F72)

This feature allows you to set the mode for receiving data or fax calls.

To set the Data/Fax Mode

1. Press (F) (7PQRS) (2ABC).
2. Select the desired mode by pressing (F).

```
Data/Fax     F72
Mode
√Off
| Data
             OK  ▶
```

Off: No data or fax calls can be received.

Data: Can receive data.

Fax: Can receive fax.

Data Once: Data can be received for one call.

Fax Once: Fax can be received for one call.

Notes: 1. "**Data Once**" and "**Fax Once**" will be reset to "**Off**" automatically after receiving a data or fax once or after 10 minutes.

2. Voice calls can not be received when **Data** or **Fax** modes are set.

3. **Data Service Mode (F71)** is automatically set to "**Circuit**" when the **Data/Fax Mode (F72)** is set to **Data** or **Fax.**

4. When your phone is to **Data** or **fax**, you can only use 🕾.

5. **Data/Fax mode (F72)** can not be set if TTY mode is active.

6. To send data or fax, the **Data/Fax mode (F72)** setting is not necessary. **Service Mode (F71)** must be set to "**Circuit**" to send data or fax.

TTY Mode (F73)

Your phone is able to operate with a TTY (Teletypewriter) device on 45.5 baud in both analog and digital modes. Connect a TTY device to the phone at the earphone-microphone jack, activate the TTY mode and you will place or receive calls in the same manner as ordinary calls. This feature is network dependent in the digital mode, and may not be available in all areas.

Activating TTY Mode

Press (F) (7PQRS) (3DEF), scroll to "**On**" and press (F). "**TTY**" will appear on the display.

```
TTY          F73
Mode
| On
√Off
             OK  ▶
```

Deactivating TTY Mode

Press (F) (7PQRS) (3DEF), scroll to "**Off**" and press (F). "**TTY**" will disappear.

Notes: 1. The microphone and earpiece are automatically muted during the TTY mode is active.

2. Disconnecting a TTY device from the phone does not deactivate the TTY mode.

3. The TTY mode will not be activated if the data/fax mode is already active.

4. Once the TTY mode is activated, the phone will operate in the TTY mode, when the power is turned on next time.

5. TTY devices on 50 baud are not operable with your phone.

Vibrator

Vibrating Alert (F8)

When this feature is activated, the phone vibrates to alert you of the following items while in standby mode. The audible alerts below will be muted.

- Incoming call received, even in **Silent** mode.
- New Text Message received, even in **Alert Off** mode.
- New Voice Mail Notification received, even in **Alert Off** mode.
- Caller ID Alert, if activated.
- Service Mode Alert, if activated.
- Clock Alarm Alert, if activated.
- Countdown Timer Alert, if activated.

To Activate Vibrating Alert

Press ⏺ Ⓕ ⑧ᴛᵁⱽ, scroll to "**On**" and press ⏺ Ⓕ. The 〈〈🔋〉〉 indicator will be displayed.

```
Vibration      F8
Alert
  On
√ Off
            OK  ▶
```

To Deactivate Vibrating Alert

Press ⏺ Ⓕ ⑧ᴛᵁⱽ, scroll to "**Off**" and press ⏺ Ⓕ. The 〈〈🔋〉〉 indicator will go out.

Shortcut: Press and hold ✱⇧ to activate or deactivate it.

Note: Be sure to turn the Vibrating Alert feature off when you use the phone in the hands-free car kit accessory.

Voice Dialing

Voice Activated Dialing (F9)

With this feature, you can make a call from your phone-book by just saying the name.

Press (F) (9wxyz) to activate the Voice Dialing.

Shortcut: Press and hold (#↩) to activate the same.

Note: See **Voice Activated Dialing** on page 53 for details.

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 (F) (0 ↻) (1).
2. Scroll to "**On**" or "**Off**" and press (F).

```
Quick          F01
Dialing
✓On
  Off
            OK  ▶
```

Automatic Answering (F02)

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

1. Press (F) (0 ↻) (2ABC).
2. Scroll to "**On**" and press (F).
3. Enter duration (5 to 30) in seconds.
4. Press (F) to set.

```
Automatic      F02
Answering
  On
✓Off
            OK  ▶
```

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

Redial Soft Key (F04)

This feature turns the "**Redial**" and "**Refer**" soft keys on or off.

1. Press (F) (0 ↻) (4GHI).
2. Scroll to "**On**" or "**Off**".
3. Press (F) to set.

```
Redial         F04
Soft Key
✓On
  Off
            OK  ▶
```

Function Reset Status

By **Function Reset (F65-5)** on page 86, your CDM-9150X will be reset as in the chart below.

Function Menu

Functions		Reset Status
Automatic Phone Lock (F13)		Off
Backlight Control (Standby) (F22-1)	Portable Use	10 seconds
	With Car Kit	Always On
Backlight Control (In-Use) (F22-2)		Normal
Auto Hyphenation (F23)		On
Language Selection (F24)		English
Contrast Control (F25)		Standard
Earpiece Volume Control		Level 3 (Max = 5)
Ringer Volume Control (F31)		Level 3 (Max = 5)
Ringer Type Selection (F32)		Ringer #1
Key Tone Volume Control (F33)		Level 3 (Max = 5)
Sending DTMF (F34)		On
Key Tone Length (F35-1)		Normal
Single Alert Beep Tone (F35-2)		Off
Caller ID Alert (F35-3)		On
Service Mode Alert (F35-4)		Off
Voice Privacy Alert (F35-5)		Off
One Minute Beep Tone (F35-6)		Off
Low Battery Alarm (F35-7)		On
Clock Indicator (F42)		On
Clock Adjustment (F43)		Auto
Clock Alarm (F44)		Off
Countdown Timer (F45)		0 minute
A/B System Selection (F51)		Auto-A or Auto-B
NAM Selection (F52)		NAM #1
Automatic NAM (F54-2)		Off
Automatic Retry (F54-3)		Off
Voice Privacy Service (F54-4)		Standard
Call Restriction (F61)		Off
One-Touch Emergency Call (F63)		On
Service Mode (F71)		Circuit
Data/Fax Mode (F72)		Off
TTY Mode (F73)		Off
Vibrating Alert (F8)		Off
Quick Dialing (F01)		On
Automatic Answering (F02)		Off
*Calls-in-Absence Indicator (F03)		Off
Redial Soft Key (F04)		On

* Affects hands-free operation only.
  Refer to Hands-Free Car Kit (HF-9150) manual.

Function Reset Status (continued)

Messaging Feature Settings

Functions	Reset Status
Default Call Back Number	Own phone number
Default Delivery Ack	Enhanced Ack
New Message Alert	Alert On
Voice Mail Alert	Alert On
Entry Mode	T9 Mode
Save Sent Message	Auto Save
SMS Lines	4 Lines
SMS Memory Management	Auto Delete
Reply with Copy	No

Web Browser Settings

Functions	Reset Status
Web Lock	Off
Web Backlight	30 seconds
Web Idle Timer	30 seconds
Connect Prompt	On

FACEPLATE OPTIONS

Your CDM-9150X phone's faceplate is available in various color options. Always use and store your phone with the faceplate attached.

To Replace Faceplates

1. Turn the phone off and remove the battery pack. Disconnect the phone from the AC Adapter or any other device.

② Screw

2. Unscrew a screw with a size S Phillips-head screwdriver. The screw stays on the phone.

3. Put a coin in a slot at top of the phone and twist it.

4. Pull the top of the faceplate forward to open it.

③

5. Hold the phone leaning on your hand. Place the bottom of the faceplate against the bottom of the phone so that the inner tabs fit the slots. Close the faceplate and snap it shut. Make sure that all seven hooks are closed and all keys operate smoothly.

6. Tighten the screw.

Note: *Prevent any dust or small things going into the phone.*

④

⑤

Hooks

FDA **U.S. Food and Drug Administration -
Center for Devices and Radiological Health
Consumer Update on Wireless Phones**
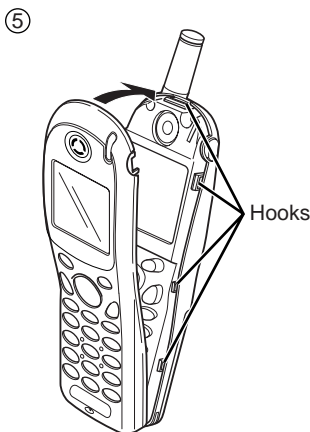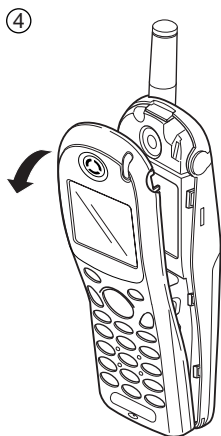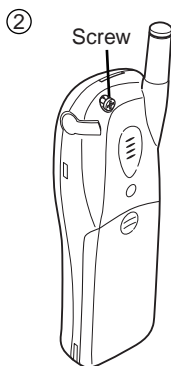
1. Do wireless phones pose a health hazard?
The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is FDA's role concerning the safety of wireless phones?
Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.
Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:
• Support needed research into possible biological effects of RF of the type emitted by wireless phones;
• Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
• Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.
FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:
• National Institute for Occupational Safety and Health
• Environmental Protection Agency
• Federal Communications Commission
• Occupational Safety and Health Administration
• National Telecommunications and Information Administration
The National Institutes of Health participates in some interagency working group activities, as well.
FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.
FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

3. What kinds of phones are the subject of this update?
The term "wireless phone" refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or

"PCS" phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

4. What are the results of the research done already?
The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.
Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?
A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

6. What is FDA doing to find out more about the possible health effects of wireless phone RF?
FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF).
FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project

since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

7. How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects.

Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (http://www.fcc.gov/oet/rfsafety) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has FDA done to measure the radiofrequency energy coming from wireless phones ?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

• If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

10. What about children using wireless phones?
The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless phone interference with medical equipment?
Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that that no interference occurs when a person uses a "compatible" phone and a "compatible" hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?
For additional information, please refer to the following resources:
• FDA web page on wireless phones (http://www.fda.gov/cdrh/phones/index.html)
• Federal Communications Commission (FCC) RF Safety Program (http://www.fcc.gov/oet/rfsafety)
• International Commission on Non-Ionizing Radiation Protection (http://www.icnirp.de)
• World Health Organization (WHO) International EMF Project (http://www.who.int/emf)
• National Radiological Protection Board (UK) (http://www.nrpb.org.uk/)

OPERATING PROCEDURES

Never violate any of the following Rules and Regulations of the FCC when using your Cellular Phone. Such violations are punishable by fine, imprisonment or both.

- Never use obscene, indecent, or profane language.
- Never use your Cellular Phone to send false distress calls.
- Never wiretap or otherwise intercept a phone call, unless you have first obtained the consent of the parties participating in the call.
- Never make any anonymous calls to annoy, harass, or molest other people.
- Never charge another account without authorization, to avoid payment for service.
- Never willfully or maliciously interfere with any other radio communications.
- Never refuse to yield the line when informed that it is needed for an Emergency Call. Also, never take over a line by stating falsely that it is needed for an emergency.

EMERGENCY CALLS

- Never rely solely upon your wireless phone for essential communications (e.g. medical emergencies), if it can be avoided, since a wireless phone requires a complex combination of radio signals, relay stations and landline networks for its operation. Consequently, emergency calls may not always be possible under all conditions on all wireless phone systems.

- Your wireless phone, however, may sometimes be the only available means of communication at the scene of an accident. When making an emergency call, always give the recipient all necessary information as accurately as possible. Never terminate an emergency call until you have received clearance to do so.

INDEX

The CDM-9150X is using one or more of the following US patents licensed by QUALCOMM Incorporated:

4,901,307	5,544,196
5,490,165	5,267,262
5,056,109	5,568,483
5,504,773	5,337,338
5,101,501	5,600,754
5,506,865	5,414,796
5,109,390	5,657,420
5,511,073	5,416,797
5,228,054	5,659,569
5,535,239	5,710,784
5,267,261	5,778,338

T9® Text Input is covered by U.S. Pat. 5,818,437, U.S. Pat. 5,953,541, U.S. Pat. 6,011,554 and other patents pending.

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 during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure 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 antenna, keypad, display, rechargeable battery and battery charger, if included, are similarly warranted for twelve (12) months from date of purchase.

This Warranty extends only to consumers who purchase the product in the United States or Canada and it is not transferable or assignable.

This Warranty does not apply to:
(a) Product subjected to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;
(b) Product whose mechanical serial number or electronic serial number has been removed, altered or defaced.
(c) Damage from exposure to moisture, humidity, excessive temperatures or extreme environmental conditions;
(d) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;
(e) Defects in appearance, cosmetic, decorative or structural items such as framing and non-operative parts;
(f) Product damaged from external causes such as fire, flooding, dirt, sand, weather conditions, battery leakage, blown fuse, theft or improper usage of any electrical source.

The Company disclaims liability for removal or re-installation of the product, for geographic coverage, for inadequate signal reception by the antenna or for communications range or operation of the cellular system as a whole.

To obtain repairs or replacement within the terms of this Warranty, the product should be delivered with proof of Warranty coverage (e.g. dated bill of sale), the consumer's return address, daytime phone number and/or fax number and complete description of the problem, transportation prepaid,

to the Company at the address shown below or to the place of purchase for repair or replacement processing. In addition, for reference to an authorized Warranty station in your area, you may telephone in the United States (800) 229-1235, and in Canada (800) 465-9672 (in Ontario call 905-712-9299).

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.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY MUST BE BROUGHT WITHIN A PERIOD OF 18 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY SPECIAL CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. THE COMPANY SHALL NOT BE LIABLE FOR THE DELAY IN RENDERING SERVICE UNDER THIS WARRANTY OR LOSS OF USE DURING THE TIME THE PRODUCT IS BEING REPAIRED OR REPLACED.

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 or provinces 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 or province to province.

IN USA: AUDIOVOX COMMUNICATIONS CORP.
                555 Wireless Blvd.
                Hauppauge, NY 11788
                (800) 229-1235

IN CANADA: AUDIOVOX CANADA LTD.
                5155 Spectrum Way, Unit #5
                Mississauga, Ontario L4W 5A1
                (800) 465-9672

QUICK REFERENCE

Basic Operation

Turn On/Off	Press and hold 🔘
Place a Call	Phone Number, 📞
Terminate a Call	🔘
Receive a Call	Any Key (except 🔘 and ⁽ᴿᶜˡ ᶠᵖ⁾)
Clear Last Digit	(CLR)
Clear All Digits	Press and hold (CLR)
Ear/SPK Volume	⌃ or ⌄ during a call
Speakerphone (Two-Way)	(V+/◁) during a call

Convenience Features

Phonebook Dialing	(◄Rcl), Phonebook Address, 📞
Speed Dialing	Phonebook Address, 📞
Last Number Redial	(◄Rcl) (✱⇧) 📞
Dial last Number Received	(◄Rcl) (#↵) 📞
Vibrating Alert	Press and hold (✱⇧)
Voice Activated Dialing	Press and hold (#↵)

Messaging Features

Received Text Messages	Press and hold (✉)
Number of Voice Mail	(✉), "Voice mail", (ᶠᵖ)
Voice Mail Dialing	(V+/◁)

Functions

Function	Key Sequence
Mute/Unmute	(F▶) (F▶)
Keypad Lock	(F▶) (1) (1)
Lock the Phone	(F▶) (1) (2ABC)
Automatic Lock	(F▶) (1) (3DEF)
Display Own Phone Number & SID	(F▶) (2ABC) (1)
Backlight Control	(F▶) (2ABC) (2ABC)
Language Selection	(F▶) (2ABC) (4GHI)
Last Call Time Display	(F▶) (4GHI) (1)
Outgoing Call Time Display	(F▶) (4GHI) (1) (2ABC)
All Calls Time Display	(F▶) (4GHI) (1) (3DEF)
A/B System Selection	(F▶) (5JKL) (1)
Service Mode	(F▶) (7PQRS) (1)
Data/Fax Mode	(F▶) (7PQRS) (2ABC)
TTY Mode	(F▶) (7PQRS) (3DEF)
Vibrating Alert	(F▶) (8TUV)
Automatic Answering	(F▶) (0◌) (2ABC)

CDM-9150X
TRI-MODE CDMA DIGITAL 1x WIRELESS HANDSET

ACCESSORIES

BC-9100
Belt Clip

BTR-9100
Lithium Ion Battery

CLC-9100
Cigarette Lighter Charger

CNR-9100
AC Adapter Charger

MOK-9150
Mobile Office Kit

DTC-9100
Desktop Charger

DTH-9100
Desktop Holder

EM-425
Earphone Microphone

HF-9150
Hands-Free Car Kit

LB-9100
Leather Carrying Case

User Changeable Color Faceplates
(actual colors may vary)

Not Shown: TRC-9100 Travel Charger

PROTECT YOUR WARRANTY

Carefully read the Limited Warranty for your cellular phone, giving special consideration to paragraph seven.

"Warranty does not apply to... any damage that has resulted from the connection to, or use of, any accessories not expressly approved by Audiovox".

Some companies are marketing look-alike accessories that are not 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, your Warranty will not apply.

In addition, if the unit has sustained irreversible damage by reason of a non-compatible accessory, the Warranty will also be voided.

To protect your Warranty, always use compatible accessories that are approved by Audiovox and that cannot damage or interfere with the proper functioning of your cellular phone.

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