

OPERATING INSTRUCTIONS



***HANDHELD PORTABLE CELLULAR TELEPHONE
COMPLETE WITH CHARGER AND BATTERY***

MVX605/605XL

MVX605/605XL HANDHELD CELLULAR TELEPHONE

Congratulations! By choosing the MVX605/605XL, you have joined the millions of satisfied customers who are enjoying the benefits and quality performance that only an Audiovox Cellular Telephone can provide.

Your Audiovox Portable Cellular Telephone has been designed to the highest standards of quality and manufacturing excellence to fulfill both your personal and business requirements. A fully charged standard Ni-MH battery provides approximately 70 minutes of continuous talk time or approximately 12 hours of standby time.

The Audiovox MVX605/605XL is packed with advanced features like Programmable One Touch Emergency Dialing, Anti-Fraud Security Features, Automatic Call Retry, a Constant Signal Strength Indicator and Battery Level Indicator.

Optional Accessories include: an Extended Life Nickel Metal Hydride Battery, a Hands free Mobile Kit with provisions for external antenna and 3-watt RF Power Booster. Cigarette Lighter Chargers, Battery Eliminators and Leather Carrying Cases are also available.

And of course, your new Audiovox MVX605/605XL comes with something only an Audiovox phone can provide: the proven reliability that has made Audiovox one of the world's leading suppliers of cellular communications equipment.

The following pages describe the unit's functions and will help you make the most efficient use of this wonderful communications tool.

Following codes can be obtained through your authorized Audiovox dealer.

- a. 3-digit Initial Lock (Unlock) Code
- b. 3-digit Initial Call Restriction Code
- c. 2-digit Initial Call Counter Code
- d. 2-digit Initial Call Timer Code

Keep these codes in a safe place!

Note: Display indication shown in this manual is under the condition that English is selected as display language.

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INTRODUCTION

First introduced in 1984, the handheld portable cellular telephone is one of the most exciting and innovative electronic products ever developed. With it you can stay in contact with your office, your home, emergency services, and others.

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

READ THIS INFORMATION BEFORE USING YOUR HANDHELD PORTABLE CELLULAR TELEPHONE

EXPOSURE TO RADIO FREQUENCY SIGNALS

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

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

ANSI C95.1 (1992)*

NCRP Report 86 (1986)*

ICNIRP (1996)*

• American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection

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

ANTENNA CARE

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

PHONE OPERATION

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

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 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 events 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 clearly marked. They 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 both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

FEATURES

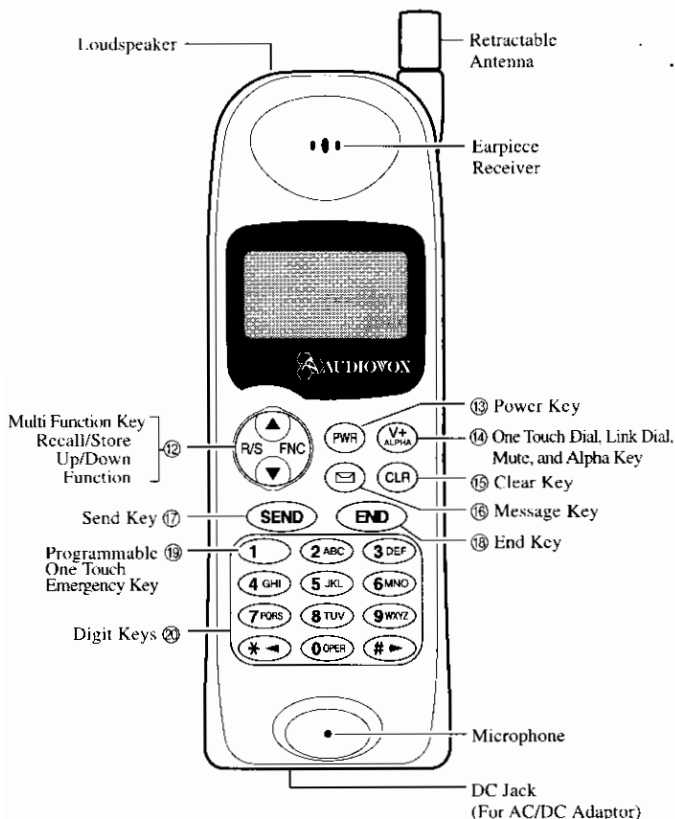
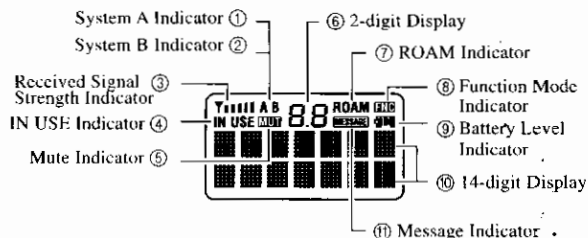
- Extended SID management (programmable option)
- Multiple city registration
- Easy to read LCD display with alphanumeric and status indicators
- 3 language display
- Ringing type selection
- Display contrast level adjustment
- Backlight on/off selection
- Programmable wake-up message
- Keypad tone (DTMF) on/off selection
- Missed call number display/orignation
- Reminder Message
- Back-lit keypad and LCD display
- Microphone mute control
- Priority/emergency calling with automatic retry
- 9 number speed dialing
- Automatic redial (programmable option)
- 89 alphanumeric memory locations
- 7 location scratch pad, with automatic scroll
- Vacant memory location search
- Automatic entry into vacant memory location
- Phone number search
- Name search
- Programmable one touch dialing
- Programmable one touch emergency call
- Last 3 number dialed memory
- Silent incoming calls
- Automatic answering
- Call time warning tone
- DTMF tone dialing from memory
- DTMF extended tone dialing
- A/B system selection
- Current SID, RF channel and RSSI level display
- Automatic self diagnostics
- Electronic serial number display (own)
- Telephone number display (own)
- System ID display (own)
- 6 function call timer
- Function review
- Constant battery level indicator
- Anti-Fraud PIN feature capability
- Automatic lock (programmable option)
- Key guard
- Keypad disable in handsfree mode (programmable option)

This cellular telephone is also capable of supporting the following optional network services.

- 1) Caller ID
- 2) Voice Mail Notification
- 3) Short messaging Service

Note: Your cellular service provider may use different terminology when referring to the enhanced features listed above. Please check with your cellular service provider for an explanation and availability of these enhanced features.

KEY/DISPLAY NAMES AND FUNCTIONS

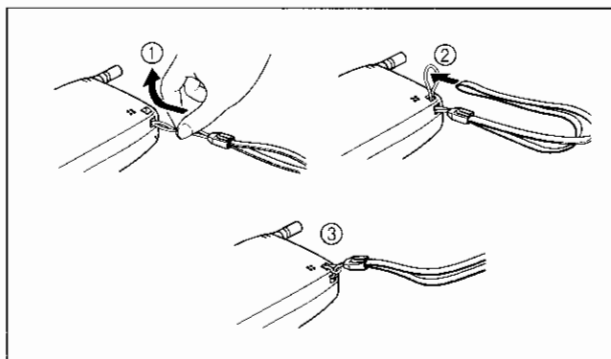


- ① **A** lights when the system A (non-wireline) is selected.
- ② **B** lights when the system B (wireline) is selected.

Note: AB will light when standard mode is selected.

- ③ Received Signal Strength Indicator constantly displays the signal strength represented by the number of bars.
- ④ **IN USE** lights when a call is in progress.
- ⑤ **MUT** lights when the mute control is active.
- ⑥ 2-digit display **8.8** shows the memory location number and the status of various functions.
- ⑦ **ROAM** lights when receiving services other than a registered home system.
- ⑧ **FNC** lights when **(FNC)** is pressed to select extended functions, etc.
- ⑨ Battery Level Indicator constantly displays Battery Level by the number of bar segments.
- ⑩ 14-digit display shows the telephone number dialed, etc.
- ⑪ **MESSAGE** flashes when Message is received where Enhanced Feature Service is provided.
- ⑫ **Multi Function Key**
 - **(RS)** (Recall/Store) recalls telephone numbers from the memory. Also used to store telephone numbers in the memory.
 - **(FNC)** (Function) is used with digit keys to allow operation of extended functions, etc.
 - **(Up/Down)** (Up or down keys) adjusts the ringing, earpiece and keypad tones. Also used to select ON/OFF setting and scroll.
- ⑬ **(PWR)** (Power) turns your phone on and off.
- ⑭ **(One Touch Dial, Link Dial, Mute and Alpha Key)**:
 - In standby mode, the stored telephone number in the one touch memory is dialed with a single key stroke.
 - During conversation except Link Dialing, switches off the microphone to mute your voice.
 - Used to make Link Dialing and to enter alphanumeric characters.
- ⑮ **(CLR)** (Clear) clears the digit(s) from the display.
- ⑯ **(Message)** enters Message Review Mode.
- ⑰ **(SEND)** initiates and answers a call.
- ⑱ **(END)** terminates a call.
- ⑲ **(1)** (Programmable One Touch Emergency Key) places a call to the programmed emergency number by a single key stroke.
- ⑳ Digit keys enter telephone numbers, alphanumeric information, etc.

WRIST STRAP ATTACHMENT

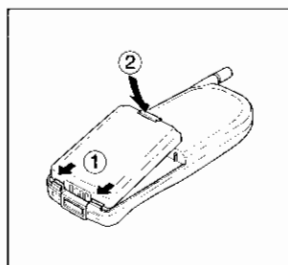


BATTERY OPERATION

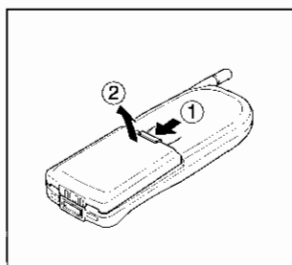
Be sure that your battery is fully charged before using your cellular telephone for the first time. The telephone will not operate without a charged battery.

BATTERY INSERTION/REMOVAL

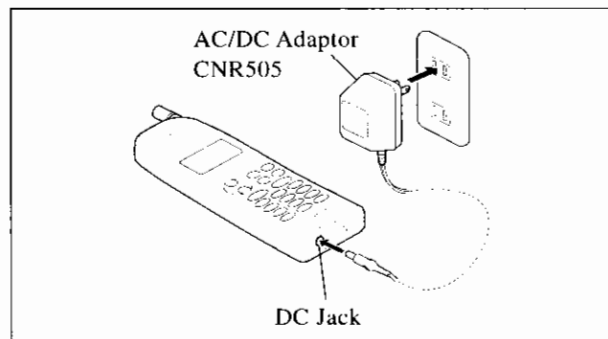
Battery Insertion



Battery Removal



BATTERY CHARGING



When your battery is charged, "Battery Charge" will be displayed. The bar segment of the Battery Level Indicator will flash during charging.

- When "Fully Charged" is displayed, battery charging is completed.

Notes: • The standard battery BTR605 will fully be charged in about 2 hours. The optional BTE605 will fully be charged in about 3 hours. However, actual charging time varies with battery conditions.

- To place or receive calls during charging, press and hold **(PWR)** to turn your phone on. After calls, press and hold **(PWR)** again to turn your phone off.

CAUTIONS:

- Use only the supplied AC/DC Adaptor CNR505. Using other AC/DC Adaptors can damage the battery and/or the handset.
- Do not discard the battery into fire.
- To prevent injury or burns, do not allow metal objects to contact or short circuit the battery terminals.
- Do not use any batteries or chargers other than those specifically designed for use with this phone.
- Charge the battery indoors with the ambient temperature between 41°F and 104°F (5°C and 40°C).
- Do not charge the battery in direct sunlight, or in high humidity places like a bathroom.

- Do not recharge or “top-off” the battery pack by charging for short periods of time to avoid shortening the battery life. It is recommended to charge the battery after the battery is discharged completely.

- The product that you have purchased contains a rechargeable Battery. The Battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this Battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.



Ni-MH

Power Management Talk & Stand-By Times

Battery	Talk-Time	Stand-By Time	Weight
650 mAH NiMH BTR605	70 Minutes	12 Hours	5.1 oz.
1000mAh NiMH BTE605	100 Minutes	18 Hours	6.0 oz.

Please note all times are approximate.

BATTERY LEVEL INDICATOR

The Battery Level Indicator will show the current strength of the battery in the three-level bar segment in the battery symbol. Note that the battery level indication may be affected by variables such as temperature, battery age, and charging conditions.

Talk & Stand-by times can vary and are dependent upon the coverage of the network and how you use your phone.

LOW BATTERY WARNING

When “Low Battery” and the Battery Level Indicator flash every second, and an alarm tone sounds, there are only a few minutes left for call processing. If usage continues, “Low Battery” will flash more frequently. A few moments later, your call will be terminated and your phone will automatically be turned off.

BASIC OPERATION

TURNING YOUR PHONE ON AND OFF

Press and hold **(PWR)** to turn on your phone. Your Wakeup Message will momentarily be displayed.

Note: When “NO SVC” (No Service) is displayed, you cannot place or receive calls as the “Cellular System” is not available.

To turn off your phone, press and hold **(PWR)** again.

Note: When Wakeup Message is not programmed, your own telephone number will be displayed upon power up.

Wakeup Message

You can program your phone’s wakeup message. The maximum 14 letters can be displayed.

1. Press **(FNC)** **(7PWS)** **(3DEF)**.
“Wakeup Message” will be displayed.
2. Enter your desired wakeup message, using alphanumeric character entry keys. (Please refer to Page 22.)
3. When your desired message is displayed, press **(RS)** to store the setting.
4. The display will return to standby mode after one second.

Reminder Message

You can program Reminder Message which will be displayed at power-up.

Notes:

- **Reminder Message will be displayed only once.**
- **When Reminder Message is displayed, only **(END)**, **(CLR)**, **(PWR)** key and holding **(1)** key for 2 seconds will be accepted.**

Programming Reminder Message

1. Press **(FNC)** **(7PWS)** **(4GHI)**.
“Remind Message” will flash.
2. Enter your message, using alphanumeric keys.
3. Press **(PWR)** to power off your phone.








Backlighting

When you press any key, the backlighting for display and keypad will turn on to provide easier operation of your phone. It will go out 8 seconds after the last key press.

Note: Multi Function Key  will not be backlit.

Backlight On/Off Selection







You can make Backlight On/Off selection as you wish.

1. Press  .
- The currently selected mode will be displayed.
2. Press  to set Backlight mode On or  to set the Backlight mode Off.
3. Press  to store the selection.
4. Press  or  to exit this mode.

Note: When your battery is charged with CNR505 or Handsfree Connector is connected, Backlight will be on even if Backlighting mode is off.

Display Contrast Level Adjustment

You can adjust display contrast level.

1. Press  .
- "Contrast" and the current contrast level will be displayed.
2. Press  to increase the contrast level or press  to decrease the contrast level.
3. When your desired contrast level is obtained, press  or  to exit this mode.

Note: When no key is pressed for more than 5 seconds, the display will return to standby mode.


Antenna Position

The dual position antenna will allow your phone to receive calls while the antenna is down. However, for optimum performance and signal strength or while operating in poor signal areas, please extend your antenna fully.




Note: The antenna can be used in its fully extended or fully retracted position only.


Display Own Telephone Number

Press   .

To clear the display, press .








Display Own System ID

Press   .

To clear the display, press .



Display Language Selection

You can choose display language among English, Spanish, and French.



1. Press  .
- "Lang." and the currently selected language will be displayed.
2. Press  / .
- The displayed language will be changed.
3. When your desired language is displayed, press  to store the selection.
4. Press  or  to exit this mode.

Key Guard Function



You can activate key guard function to avoid accidental key operations.

1. Press  and hold .
- "Key Guard" will be displayed.

To release Key guard feature



1. Press  .

Notes: • Key Guard function will automatically be disabled when your phone enters conversation mode.

When you wish to activate Key Guard function during a call, press  and hold .

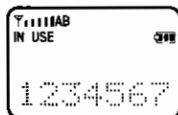
• When Keypad Disable mode is programmed as active and Handsfree connector is connected, Key Guard function will be off and will not be activated.

PLACING CALLS

1. Enter a telephone number.
2. Press .
- The **IN USE** indicator will light.
3. When you finish talking, press .

Example: To call 123-4567

1. Enter **1** **2** **3** **4** **5** **6** **7**.



2. Press **SEND**.

Talk with the other party.

3. To terminate the call, press **END**.

To Correct Entered Digits:

- Press **CLR** to erase the last digit entered.
- Press and hold **CLP** to erase the whole number.

To View Whole Number (Hidden Digits):

Although you can enter up to 32 digits, the display will show the last 14 digits only. To view the whole number, press and hold **RNC**. The hidden digits (over 14 digits) and the last 14 digits will scroll displaying “P 1” (for the last 14 digit), “P 2” (for the next 14 digits) and “P 3” (for the rest of upper digits).

RECEIVING CALLS

1. When an incoming call is attempted, a ringing tone will sound and “CALL” will flash.
2. Press **SEND** or digit key.
The **IN USE** will light and you can talk with the other party.
3. To terminate your call, press **END**.

Note: If you wish to mute the ringing tone, press **END**.

Pressing **END** will not terminate your call.

To talk with another party, press **SEND** or digit key.

Ringing Type Selection

You can select a ringing type out of the preset types.

1. Press **RNC** **8** **OPER**.
“Ringing Type” and the current ringing type number will be displayed.
2. Press **▲** or **▼** to hear other ringing types.
3. When your desired ringing type is heard, press **R/S** to store the selection.
4. Press **END** or **CLR** to exit this mode.

Call in Absence Indication

If calls go unanswered, “CALL” and the number of unanswered calls will appear in the 2-digit display.

To clear the display, press **CLR**.

Missed Call Number Display/Origination

You can display five latest phone numbers which your phone has received as caller ID but has been unanswered. You can also make calls to the five unanswered phone numbers.

1. Press **RNC** **#** **OPER**.
“00” and phone number of the latest missed call will be displayed.
2. To display the second latest missed call number, press **▼**.
If you wish to go back to the previously displayed missed call number, press **▲**.
3. To originate a call to the displayed number, press **SEND**.
Or to exit this mode, press any key except **SEND**, **▲**, **▼**, **PWR**.

Ringing Option

1. Press **RNC** **8** **TUV**.
The display will show the currently selected mode:
 - “Ringing Ring” (Ringing at selected constant volume level. Seven ringing levels are available for your selection.)
 - “Ringing IncRing” (Ringing at three increasing volume level)
 - “Ringing Silent” (Silent Ringing)
2. Press **▲** or **▼** until your desired ringing option is displayed.
3. Press **R/S** to store the selection.

Note: If the Silent Incoming Calls mode is selected, “Silent Ringing” will be displayed when your phone is powered up.

Automatic Answering

When this feature is active in handsfree mode, your phone will automatically answer an incoming call on the second alert.

1. Press **RNC** **9** **WXYZ**.
The currently selected mode will be displayed.
2. Press **▲** to activate Automatic Answering.
“Auto Answer on” will be displayed.
Or press **▼** to deactivate Automatic Answering.
“Auto Answer off” will be displayed.
3. Press **R/S** to store the selection.

Notes: • Automatic Answering will function in handsfree mode only.

• Automatic Answering will not function if your phone is in the lock, call restriction, or silent incoming calls mode.

• If Automatic Answering is active, “Auto Answer ON” will be displayed when your phone is powered up.

REDIALING FUNCTIONS

Last Three Numbers Dialed

You can display and redial any of the last three telephone numbers you tried to call.

1. Select one of the telephone numbers out of three.

• Press **[R/S]** **[#]** **[OPER]**.

The display will show “L 0” and the most recent number you tried to call.

• Press **[R/S]** **[#]** **[1]**.

The display will show “L 1” and the second most recent number you tried to call.

• Press **[R/S]** **[#]** **[2ABC]**.

The display will show “L 2” and the third most recent number you tried to call.

2. Press **[SEND]** for redialing.

Automatic Redial (Programmable Option)

If Automatic Redial is selected, your phone will automatically continue redialing in 20 seconds if the attempt to reach the cell site is not successful. The **IN USE** indicator will stay on, but the earpiece speaker will be muted.

Note: Automatic Redial will initiate only on a “Cellular System” busy signal but not on a “Line” busy signal.

MIC MUTE DURING A CALL

To Mute the Microphone:

During a call, press **[MUTE]**.

To Release Mute:

During a call, press **[MUTE]** again.

Notes: • The mute will automatically be released when your call is terminated.

• The MIC Mute will not function during Link Dialing.

VOLUME ADJUSTMENT

You can adjust volume controls for the earpiece volume, the ringing volume and the keypad tone level.

Earpiece Volume (Level 1~7)

During a call, press **[▲]** or **[▼]** to adjust the loudness of other party's voice.

While not in use, press **[FNC]** **[*]** **[9HOLD]** **[OPER]** to display “Voice”. Press **[▲]** or **[▼]** to adjust the earpiece Volume.

Ringing Volume (Level 1~7)

During ringing, press **[▲]** or **[▼]** to adjust the ringing volume.

While not in use, press **[FNC]** **[*]** **[9HOLD]** **[1]** to display “Ring-ing”. Press **[▲]** or **[▼]** to adjust the Ringing Volume.

Keypad Tone Volume (Level 1~3)

In standby mode, press **[▲]** or **[▼]** to adjust the keypad tone volume.

Note: When your desired volume level is obtained, press **[CLR]** to exit this mode.

ENHANCED OPERATION

LOCKING/UNLOCKING YOUR PHONE

You can restrict outgoing calls except for the Programmable One Touch Emergency Call, Emergency (911, 000, 119), and the number stored in the emergency/priority dialing area. Your phone will receive calls normally even if it is locked.

Locking Your Phone

1. Press **(ANC) (5 JKL)**.
2. Enter your 3-digit Unlock code.

Notes: • Please contact your authorized Audiovox dealer to check your initial Unlock code.

- If your phone is locked, “Locked” will be displayed when your phone is powered up.

To Unlock Your Phone:

While “Locked” is displayed, enter your 3-digit Unlock code.

Changing Your Unlock Code

1. Press **(ANC) (#) (5 JKL) (1)**.
“Unlock Fre?” will be displayed.
2. Enter your current 3-digit Unlock code.

Note: Please contact your authorized Audiovox dealer to check your initial Unlock code.

“Unlock New?” will be displayed.

3. Enter a new 3-digit Unlock code except 911, 000, and 119.
4. Press **(AS)**.

CAUTION: Keep the record of new code in a safe place!

AUTOMATIC LOCK (PROGRAMMABLE OPTION)

You can automatically lock your phone by programmable option each time your phone is turned on.

The display will show “Locked” when your phone is turned on. Even in automatic lock mode, your phone will receive calls normally.

To Unlock your Phone:

Enter your 3-digit Unlock code.

Note: When the curly cord is disconnected from your phone, your phone will automatically be locked if Automatic Lock is selected by Programmable option.

KEYPAD DISABLE FUNCTION IN HANDSFREE MODE (PROGRAMMABLE OPTION)

This function prevents accidental or unintentional use of the keypad in handsfree mode.

When this function is activated by Programmable option, no key operations in handsfree mode will be possible. The display will show “Keypad Disable” each time your phone is powered up.

Note: Even in keypad disable mode, your phone will receive calls normally.

To Temporarily Release Keypad Disable Mode:

Press and hold **(*)** and **(#)** simultaneously.
“Keypad Disable” will disappear.

To Return to Keypad Disable Mode:

Press and hold **(*)** and **(#)** simultaneously again.
“Keypad Disable” will be displayed.

Notes: • When handsfree curly cord is disconnected from your phone, key operations will become possible and “Keypad Disable” will disappear.

- When both automatic lock and keypad disable modes are selected by Programmable option and handsfree curly cord is disconnected from your phone, your phone will automatically be locked.
- When both automatic lock and keypad disable modes are selected by Programmable option and your phone is connected to the handsfree kit with curly cord, “Keypad Disable” will be displayed upon power up.

STORING IN THE MEMORY

You can store telephone numbers and names in 89 memory locations. Maximum 32 digits and 7 characters each can be stored in locations 1 to 40. Maximum 16 digits and 7 characters each can be stored in locations 41 to 89. (Entry of name can be omitted.)

Name Entry Keys

To enter names, the following keys will be used:

[Alphanumeric Character Entry Keys]

Key	Key Presses				
	1st	2nd	3rd	4th	5th
1	1	space	2	*	#
2 ABC	A	B	C	2	A
3 DEF	D	E	F	3	D
4 GHI	G	H	I	4	G
5 JKL	J	K	L	5	J
6 MNO	M	N	O	6	M
7 PQRS	P	Q	R	7	P
8 TUV	T	U	V	8	T
9 WXYZ	W	X	Y	9	W
0 OPEN	0	+	-	=	÷

Note: The other useful characters and marks will be displayed when you press 1 or 0 OPEN keys for more than 5 times at the name entry mode.

[Editor Function Keys]

Key	Function
# →	Shifts cursor to the right.
* ←	Shifts cursor to the left.
Press CLR	Deletes the character where the cursor is positioned.
Hold CLR	Deletes all the characters.

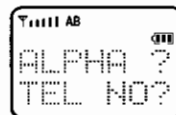
The following example shows how to enter JOHN. You can learn the characters behind the digit keys and how to move the characters with the cursor keys. Note this example illustrates how to enter a name but not actually store the name.

Example: To enter JOHN

- To enter name entry mode,

press CLR FNC V/A.

"ALPHA" will flash.



- Enter JOHN.

Press 5 JKL

→

6 MNO

(J) (J)

(JM)

6 MNO

6 MNO

→

4 GHI

(JN) (JO)

(JO)

(JOG)

4 GHI

→

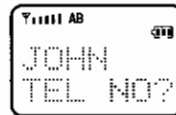
6 MNO

6 MNO

(JOH) (JOH)

(JOHM)

(JOHN)



- Press END to terminate this example.

Manual Storage

Telephone numbers and names can manually be stored into the memory locations 01 to 89.

- Press CLR, then enter a telephone number.
- Enter a name.
 - Press FNC V/A. "ALPHA?" will flash.
 - Enter a name with the name entry keys.
- Press FNC S. "Enter Store #?" will be displayed.
- Enter a 2-digit location number (01-89). After the momentary display of "Stored", the stored memory location number, the telephone number and name will remain displayed.
- Press CLR.

Note: If the selected memory location number is already used, the previous information will be overwritten.

The following examples show how to store a telephone number together with name, as well as how to store a telephone number alone.

Example 1: To store 123-4567 with JOHN in memory location 10

1. Press **(CLR)**, then enter **(1)** **(2ABC)** **(3DEF)** **(4GHI)** **(5JKL)** **(6MNO)** **(7PQRS)**.
"ALPHA?" will flash.
2. Press **(FNC)** **(V+)**.
"ALPHA?" will flash.
3. Enter JOHN with the name entry keys.
4. Press **(FNC)** **(RS)**. "Enter Store #" will be displayed.
5. Enter **(1)** **(0000)**. After the momentary display of "Stored", the stored memory location number, telephone number and name will be displayed.
6. Press **(CLR)** to clear the display.

Y:1111AB 0000
ALPHA?
1234567

Y:1111AB 0000
JOHN
1234567

Y:1111AB 10 0000
JOHN
1234567

Note: If telephone number is not entered before pressing **(FNC) **(V+)**, "TEL NO?" will be displayed. In this case, press **(V+)** **(V+)** to enter a telephone number.**

Example 2: To store 234-5678 alone in memory location 11

1. Press **(CLR)**, then enter **(2ABC)** **(3DEF)** **(4GHI)** **(5JKL)** **(6MNO)** **(7PQRS)** **(8TUV)**.
2. Press **(FNC)** **(RS)**.
3. Enter **(1)** **(1)** while the telephone number is flashing.
4. Press **(CLR)** to clear the display.

Y:1111AB 0000
2345678

Y:1111AB 11 0000
2345678

Automatic Storage

You can automatically store telephone numbers and names in vacant memory locations. (You may choose to omit names.)

1. Press **(CLR)**, then enter a telephone number.
2. Enter a name.
 - 1) Press **(FNC)** **(V+)**. "ALPHA?" will flash.
 - 2) Enter a name with the name entry keys.
3. Press **(FNC)** **(RS)** **(RS)**.

The telephone number and name will automatically be stored in the first available vacant memory location.

4. Press **(CLR)**.

Note: If there is no available location, "Memory Full" will be displayed. In this case, choose a memory location that you wish to overwrite with the new information (Name, Number).

Example: To automatically store 345-6789 with JOHN in vacant memory

1. Press **(CLR)**, then enter **(3DEF)** **(4GHI)** **(5JKL)** **(6MNO)** **(7PQRS)** **(8TUV)** **(9WXYZ)**.
2. Enter JOHN.
 - 1) Press **(FNC)** **(V+)**. "ALPHA?" will flash.
 - 2) Enter the name with the name entry keys.
3. Press **(FNC)** **(RS)** **(RS)**.

The telephone number and name will automatically be stored in the vacant memory location 12, for example.

Y:1111AB 12 0000
JOHN
3456789

4. Press **(CLR)**.

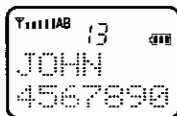
Storage After Vacant Memory Location Search

You can search for unused memory locations to which telephone numbers and names can be stored. (You may choose to omit names.)

1. Press **(CLR)**, then enter a telephone number.
2. Enter the name.
 - 1) Press **(FNC)** **(V+)**. "ALPHA?" will flash.
 - 2) Enter a name with the name entry keys.
3. Press **(FNC)** **(RS)**.
4. Press **(▲)** or **(▼)** to search for the desired vacant memory location.
5. Press **(RS)** to store in that memory location.
6. Press **(CLR)**.

Example: To store 456-7890 with JOHN in the vacant memory location 13

1. Press **CLR**, then enter **4** **GH** **5** **JK** **6** **MNO** **7** **PQRS** **8** **TUV** **9** **WXYZ** **0** **OPER**.
2. Enter JOHN.
 - 1) Press **R/S** **V**. "ALPHA?" will flash.
 - 2) Enter the name with the name entry keys.
3. Press **R/S** **R/S**.
4. Press **▲** or **▼** to search for vacant memory location 13, for example.
5. Press **R/S**.
6. Press **CLR**.



Notes: • To exit the Vacant Memory Location Search function, press **END**.

• If there is no available location, "Memory Full" will be displayed. In this case, choose a memory location that you wish to overwrite with new information (Name, Number).

EDITING THE TELEPHONE NUMBERS AND NAMES

You can edit the telephone numbers or names as required.

Editing the Telephone Numbers

To Change the Telephone Number of Location Number XX (01-89):

1. Press **CLR**, then enter a new telephone number.
2. Press **R/S** **R/S**. The entered telephone number will flash.
3. Enter 2-digit location number **X** **X** to store the new number.

To Delete the Telephone Number of Location Number XX (01-89):

1. To display the telephone number, follow one of the next procedures.
 - To search for the telephone number, press **R/S**, then **▲** / **▼**.
 - Press **R/S** **X** **X**.

Note: When you wish to delete a telephone number at one digit Location Number, you need to press **0** **OPER** before the one digit Location Number.

2. Press **OPER** **CLR**. "Memory Clear ?" will be displayed.
3. Press **CLR** again. "Memory Cleared" will be displayed.

Editing the Names

To edit the name of Location Number XX (1-89), follow the next steps.

1. Press **R/S** and enter **X** / **X** **X**.
2. Press **R/S** **V**.
3. Edit the name with the name entry keys.
4. Press **R/S** **R/S** **R/S** to store the new name.

Note: To exit the editing mode, press **END** at any time.

Editing Phone Number under stored Name

To edit phone number under stored name, follow the next steps.

1. Press **R/S** **V**.
2. Enter the name with the name entry keys.
3. Enter **R/S** **▲** / **▼** for direct search.
4. Press **V** **V** to set phone number edit mode.
5. Enter new Phone number.
6. Press **R/S** **R/S** **R/S** to store.
7. Press **CLR** to clear the display.

Memory Search

When you wish to search the memory information:

1. Press **R/S**. "Recall" will be displayed.
2. Press **▲** or **▼** to scroll up/down memory information.

Note: After pressing **R/S**, holding **▲** or **▼** will automatically scroll up/down memory information.

RECALLING NUMBERS FROM MEMORY

Memory Dialing

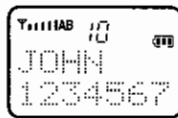
Telephone numbers can be recalled and dialed from one of any 89 different memory locations.

1. Press **R/S**.
2. Enter the 1 or 2 digit location number (1-89).
The telephone number and name will be displayed.
3. Press **SEND** to initiate dialing.

Note: If nothing is stored in a particular memory location, "Memory Empty" will be displayed. In this case, check the memory location with Memory Search.

Example: To place a call using memory location 10

1. Press **(R/S)**.
2. Enter **(1)** **(OPER)**.
3. Press **(SEND)**.



Dialing after Telephone Number Search

You can scan, recall and dial numbers stored in memory locations 1 through 89.

1. Press **(R/S)**.
2. Press **(▲)** or **(▼)** to scroll up or down the memory locations.
3. If your desired telephone number is displayed, press **(SEND)** to initiate the dialing.

Note: To exit the search mode, press **(END)** at any time.

Dialing after Name Search

You can dial after searching for telephone numbers by their names.

1. Press **(CLR)** **(FNC)** **(V+)**.
"ALPHA?" will flash.
2. Enter the beginning part of name with the digit keys.
Example: Enter J, JO, or JOH for JOHN.
3. Press **(R/S)**. "Search" will be displayed.
4. Press **(▲)** or **(▼)** to search for the desired name.
5. Press **(SEND)** to initiate the dialing.
Or press **(V+)** to return to step 2.

Notes: • If no name is found, "Not Found" will be displayed in step 4. Enter another character(s) to continue name search.

- To exit from the search mode, press **(END)** at any time.

Speed Dialing

You can place a call from the stored memory locations 1 to 9 using the keys **(1)** to **(9/NOVZ)**.

1. Press one of keys **(1)** to **(9/NOVZ)**.
2. Press **(SEND)** to initiate the dialing.

LINK DIALING

When you receive service such as Voice Mail from your cellular service provider, you can dial a number and make Link Dialing with **(V+)** key only.

Five Link Dialing Memories (M1 to M5) are provided with your phone.

Storing Number in Link Dialing Memory

1. Enter a number to be stored.
2. To store the number as non-secret number, press **(FNC)** **(R/S)** **(V+)** and enter Link Dialing Memory Number.

To store the number as secret number, press **(FNC)** **(R/S)** **(*)** **(V+)** and enter Link Dialing Memory Number.

Note: Maximum 16 digits will be stored in each Link Dialing Memory. When you try to store more than 16 digits, the lastly entered 16 digits will be valid.

Recalling number from Link Dialing Memory

1. To recall a non-secret number from a Link Dialing Memory, press **(R/S)** **(V+)** and enter Link Dialing Memory Number.

To recall a secret number from a Link Dialing Memory, press **(END)**, 3-digit lock code, **(R/S)** **(V+)** and enter Link Dialing Memory Number.

Making Link Dialing

1. To display a Link Dialing Number stored in "M1", press **(V+)**.

Note: When a Link Dialing number is stored as secret, "Secret" will be displayed.

To dial the Link Dialing Number and activate Link Dialing, keep holding **(V+)**.

2. To transmit DTMF signals for numbers stored in M2 to M5, press **(V+)** each time during a call.



Notes: • When a number is stored as secret number, "Secret" will be displayed.

- When PIN mode is ON, "PIN" will flash.






In this case, press **(V+)** or **(SEND)** to send the PIN first.




3. To exit from Link Dialing mode, press **(CLR)**.

ONE TOUCH DIALING


By using Link Dial Memory M1, you can place a call with  key after storing a telephone number in the one touch memory assigned to  key.

Storing in the One Touch Memory


1. Press , then enter a telephone number.
2. Press    .

Note: The stored telephone number can be reviewed by pressing   .


Placing a Call with One Touch Memory

1. Press and hold .
2. The telephone number will be displayed, and the **IN USE** indicator will light as the call is placed.








PROGRAMMABLE ONE TOUCH EMERGENCY CALL

You can place an emergency call with  key alone, even when your phone is in lock and/or call restriction mode. 911 is the preset emergency number. You can reprogram this number with another number (up to 7 digits) if you wish. Also, you can deactivate this feature to avoid an unintentional call by mistake.






Placing One Touch Emergency Call

1. Press and hold  for 2 seconds.
The pre-programmed emergency number will be displayed, and the **IN USE** indicator will light as the call is placed.

One Touch Emergency Call ON/OFF

1. Press   .
2. Enter your 3-digit Unlock code.
3. Press  to select ON mode, or  to select OFF mode.
4. Press  to store and exit.
5. Press  to clear the display.

Programming a New Emergency Number




1. Press   .
2. Enter your 3-digit Unlock code.
3. Enter a new emergency number (Maximum 7 digits).
4. Press  to store and exit.
5. Press  to clear the display.

SCRATCH PAD MEMORY





As a sort of numerical notepad, you can enter up to 7 entries in special memory locations (memory locations 90 to 96) of up to 32 digits each. Also, you can place a call from the scratch pad memory. The 8th entry will scroll the scratch pad memory and the number entered first will be erased.

Note: Contents of the scratch pad memory will not be cleared even if your phone is turned off.

Storing Numbers in the Scratch Pad Memory

1. Press , and enter a number you wish to store (up to 32 digits).
2. Press  .







Dialing Numbers from the Scratch Pad Memory

1. Press .
2. Enter one of the location numbers (90 to 96).
Example: Enter   to recall the last number entered.
3. Press  to initiate the dialing.





EMERGENCY AND PRIORITY DIALING

You can store a single telephone number up to 32 digits for emergency or priority purpose. The memory location 97 will be reserved for this purpose.

Storing an Emergency and Priority Number

1. Press , then enter a telephone number.
2. Press  .
3. Enter   while the telephone number is flashing.
4. Press  to clear the display.

Dialing the Emergency and Priority Number

1. Press   .
2. Press .

Note: The emergency and priority number will automatically be redialed up to 3 times at 50 second intervals or until a connection is made. During redialing sequence, "Priority Dial" will be displayed indicating that this feature is active.

EXTENDED FEATURES AND FUNCTIONS

CALL RESTRICTION

In the call restriction mode, only specific keys will be effective to prevent unauthorized operation of your phone. Only the following keys will be operative to place a call.

- Any combination of numbers 1 and 2 for a call:

- **(RS)** + (1, 2, 11, 12, 21, 22) + **(SEND)**

- Emergency Calls:

- **(RS)** + 9 + 7 + **(SEND)**

- 9 + 1 + 1 + **(SEND)**

- 0 + 0 + 0 + **(SEND)**

- 1 + 1 + 9 + **(SEND)**

- One Touch Emergency Call:

- Holding **(1)** for 2 seconds.

Note: You can receive a call even if your phone is in the call restriction mode.

To Activate Your Call Restriction

- Press **(FNC)** **(*)** **(5 JKL)**.

- Enter your 3-digit Call Restriction code.

Note: Please contact your authorized Audiovox dealer to check your initial Call Restriction code.

“CR” will be displayed to indicate that call restriction is active.

Note: The call restriction will be effective until it is deactivated. When your phone is powered up, “CR” will be displayed if call restriction is active. (“Locked” will be displayed if your phone is locked.)

To Exit Call Restriction Mode:

While “CR” is displayed, enter your 3-digit Call Restriction code. Then, “Regular” will be displayed. To clear the display, press **(CLR)**.

To Change your Call Restriction Code

- Press **(FNC)** **(#)** **(5 JKL)** **(2 ABC)**.

“Restr. Pre?” will be displayed.

- Enter your current 3-digit Call Restriction code.

“Restr. New?” will be displayed.

- Enter a new 3-digit Call Restriction code except 911, 000, and 119.

- Press **(RS)**.

CAUTION: Keep the record of new code in a safe place!

Note: If you enter a wrong code in step 2, your phone will return to standby mode.

KEYPAD TONES (DTMF)

Dual Tone Multi-Frequency (DTMF), or Keypad Tone signals can be transmitted during a call by entering digits on the keypad or recalling numbers from the memory. By sending the DTMF signals, you can access special services such as voice mail and answering machines that require long duration tone.

Keypad Tones (DTMF) Duration Selection

- Press **(FNC)** **(#)** **(8 TUV)**.

The currently selected mode will be displayed.

- Press **(▲)** to select the Long Tone mode.

“DTMF Long” will be displayed.

Or press **(▼)** to select the Short Tone mode.

“DTMF Short” will be displayed.

- Press **(RS)** to store the selection.

Keypad Tone (DTMF) On/Off Selection

You can select Keypad Tone (DTMF) On/Off as you wish. This selection is effective in standby mode and during a call.

- Press **(FNC)** **(3 DEF)**.

The currently selected mode will be displayed.

- Press **(▲)** to select Keypad Tone (DTMF) On mode or press **(▼)** to select Keypad Tone (DTMF) Off mode.

- Press **(RS)** to store the selection.

- Press **(END)** or **(CLR)** to exit this mode.

Note: In Keypad Tone (DTMF) Off mode, DTMF signal during a call will not be transmitted.

Sending DTMF Tones During a Call From the Keypad:

- During a call, press any key on the keypad.

From the Memory:

- During a call, press **(RS)** **(*)**.

- Enter a 2-digit memory location (01-89).

TIMER AND COUNTER FUNCTIONS

Elapsed Time Display

You can display the elapsed time of the current or last call while not in use.

1. Press **[FNC]** **[*→]** **[3DEF]** **[0OFF]**.

"Time XX:xx" will be displayed. (XX: Minutes, xx: Seconds)

2. Press **[CLR]** to exit this mode.

Note: The time count will automatically reset to 00:00 after 99 minutes and 59 seconds.

Outgoing Call Timer

You can display your outgoing call time.

1. Press **[FNC]** **[*→]** **[3DEF]** **[1]**.

2. Enter your 2-digit Call Timer code.

Note: Please contact your authorized Audiovox dealer to check your initial Call Timer code.

"Outgo-T XXXX:xx" will be displayed. (XXXX: Hours, xx: Minutes)

To exit this mode, press **[CLR]**.

To Reset the Outgoing Call Timer:

1. Press **[OPER]** **[CLR]** while "Outgo-T XXXX:xx" is displayed.

"Outgo-T Clear ?" will be displayed.

2. Press **[CLR]**.

"Outgo-T 0000:00" will be displayed.

Note: The Outgoing Call Timer will automatically reset to 0000:00 after 9,999 hours and 59 minutes.

Cumulative Call Timer

You can display a running total of on-air usage.

1. Press **[FNC]** **[*→]** **[3DEF]** **[2ABC]**.

2. Enter your 2-digit Call Timer code.

Note: Please contact your authorized Audiovox dealer to check your initial Call Timer code.

"Total-T XXXX:xx" will be displayed. (XXXX: Hours, xx: Minutes)

To exit this mode, press **[CLR]**.

To Reset the Cumulative Call Timer:

1. Press **[OPER]** **[CLR]** while "Total-T XXXX:xx" is displayed.

"Total-T Clear ?" will be displayed.

2. Press **[CLR]**.

"Total-T 0000:00" will be displayed.

Note: The Cumulative Call Timer will automatically reset to 0000:00 after 9,999 hours and 59 minutes have been accumulated.

Temporary Accumulated Call Counter

You can display the temporary accumulated number of calls.

1. Press **[FNC]** **[*→]** **[2ABC]** **[OPER]**.

"Call XXXX" will be displayed. (XXXX: Number of calls)

To exit this mode, press **[CLR]**.

To Reset the Temporary Accumulated Call Counter:

1. Press **[OPER]** **[CLR]** while "Call XXXX" is displayed.

"Call Clear ?" will be displayed.

2. Press **[CLR]**.

"Call 0000" will be displayed.

Note: The Temporary Accumulated Call Counter will automatically reset to 0 after 9,999 calls.

Outgoing Call Counter

You can check the accumulated number of outgoing calls.

1. Press **[FNC]** **[*→]** **[2ABC]** **[1]**.

2. Enter your 2-digit Call Counter code.

Note: Please contact your authorized Audiovox dealer to check your initial Call Counter code.

"Outgo-C XXXX" will be displayed. (XXXX: Number of outgoing calls)

To exit this mode, press **[CLR]**.

To Reset the Outgoing Call Counter:

1. Press **[OPER]** **[CLR]** while "Outgo-C XXXX" is displayed.

"Outgo-C Clear ?" will be displayed.

2. Press **[CLR]**.

"Outgo-C 0000" will be displayed.

Note: The Outgoing Call Counter will automatically reset to 0 after 9,999 calls.

Accumulated Call Counter

You can check the accumulated number of calls.

1. Press **[FNC]** **[*→]** **[2ABC]** **[2ABC]**.

2. Enter your 2-digit Call Counter code.

Note: Please contact your authorized Audiovox dealer to check your initial Call Counter code.

"Total-C XXXX" will be displayed. (XXXX: Number of calls)

To exit this mode, press **(CLR)**.

To Reset the Accumulated Call Counter:

1. Press **(OPER)** **(CLR)** while "Total-C XXXX" is displayed.
"Total-C Clear ?" will be displayed.
2. Press **(CLR)**.
"Total-C 0000" will be displayed.

Note: The Accumulated Call Counter will automatically reset to 0 after 9,999th call has been made.

To Change Your Call Timer/Call Counter Codes

- To change your Call Timer code, press **(FNC)** **(#)** **(5 JKL)** **(4 DEF)**.
"Timer Pre?" will be displayed.
 - To change your Call Counter code, press **(FNC)** **(#)** **(5 JKL)** **(3 DEF)**.
"Counter Pre?" will be displayed.
2. Enter your current code.

Note: Please contact your authorized Audiovox dealer to check your initial code.

"Timer New?" or "Counter New?" will be displayed.

3. Enter a new 2-digit code.

4. Press **(RS)**.

CAUTION: Keep the record of new codes in a safe place!

Call Time Warning Tone

You can turn the Call Time Warning Tone on and off. When it is set to on, a single warning tone will be heard every one minute and a double warning tone will be heard every 5 minutes during a call.

1. Press **(FNC)** **(*)** **(1)** while not in use.
The currently selected mode will be displayed.
2. Press **(▲)** to select Call Time Warning Tone On mode.
"Beep Tone on" will be displayed.
Or press **(▼)** to select Call Time Warning Tone Off mode.
"Beep Tone off" will be displayed.
3. Press **(RS)** to store the selection.

EXTENDED SID MANAGEMENT (PROGRAMMABLE OPTION)

This programmable option allows you to take advantage of a family of SID (System Identification) groups. This is a group of cellular systems in cities that your carrier owns or has special billing arrangements with. Your close family SID's will be billed at the same rate as your home billing. (Both "NO SUC" and **ROAM** are off.) More distant family SID's will be billed at a preferred rate. Your phone will display solid **ROAM**. When flashing **ROAM** is displayed, you are using a SID system that is not included in the groups assigned at the time of programming.

If your display indicates "NO SUC", you will need to change your A/B system selection or, please refer to Multiple City Registration to change phone registration to enable you to make a call.

Note: For specific information regarding special billing arrangements, please consult your cellular service provider.

SID Alpha Tag

You can display your desired Alpha Tag (Maximum 7 characters) of Home, Preferred and Neutral SID under which your phone operates.

Home SID shows the system ID where your phone is registered. Preferred SID shows the Brother/Sister or Cousin system. Neutral SID shows the system except the above Home and Preferred systems.

1. To enter Programming mode of Home SID, Preferred SID or Neutral SID, enter **(FNC)** **(OPER)** **(1)** or **(FNC)** **(OPER)** **(2 ABC)** or **(FNC)** **(OPER)** **(3 DEF)** respectively.
"H-ALPHA" or "P-ALPHA" or "N-ALPHA" will be displayed respectively.
2. Enter your desired Alpha Tag with Name Entry Keys.
3. Press **(RS)**. The entered Alpha Tag will be stored in your phone.

Note: When nothing is stored as Alpha Tag, "HOME", "PREFER", "ROAM" will respectively be used.

Example: To enter "ROAM" as Neutral Alpha Tag

1. To enter Neutral Alpha Tag Programming mode, press **(FNC)** **(OPER)** **(3 DEF)**.
"N-ALPHA" will be displayed.

2. To enter "ROAM", press .
3. Press .

Alpha Tag & ROAM Indicator

If the Alpha Tag is programmed:

System Type	Alpha Tag Display	ROAM Indicator
Home SID	Home Alpha Tag	Off
Preferred SID (Brother/Sister)	Home Alpha Tag	Off
Preferred SID (Cousin)	Preferred SID Alpha Tag	Steady Icon
Neutral SID	Neutral Alpha Tag	Blinking Icon

If the Alpha Tag is not programmed:

System Type	Alpha Tag Display	ROAM Indicator
Home SID	"HOME"	Off
Preferred SID (Brother/Sister)	"HOME"	Off
Preferred SID (Cousin)	"PREFER"	Steady Icon
Neutral SID	"ROAM"	Blinking Icon

A/B SYSTEM SELECTION

You can select the system you need to use. The system that you are registered with is the preferred system and your home system.

1. Press .
2. Press or until your desired system is displayed.
3. Press .

Note: When you turn your phone on, your phone will start to scan the system of the last power-off.

Standard Mode:

Your phone will scan the preferred system channels. If unable to find an acceptable preferred channel, your phone will switch to scan the non-preferred system channels. "A B" will light in the display.

System A Only Mode:

Your phone will scan the system A only. "A" will light in the display.

System B Only Mode:

Your phone will scan the system B only. "B" will light in the display.

Home Mode:

Your phone will scan preferred system and Brother/Sister system channels.

You can place or receive calls only within your Home area.

MULTIPLE CITY REGISTRATION

You can reprogram the different phone numbers for the cities in which you are registered. Each programmed phone number will be designated as your home system.

Note: To use this feature, you must register your phone with the carrier in order to get both the system ID number and your phone number.

To Program Your Phone Number:

1. Press , then enter a new system ID number (5 digits).
2. Enter corresponding phone number including your area code (10 digits).
3. Press .
4. Enter your 3-digit Unlock code.

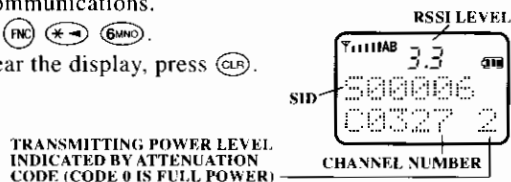
After programming the new number, your phone will automatically wake up again, and display your new phone number.

Note: Calls are placed or received using the programmed phone number only.

CURRENT SID, CHANNEL AND RSSI LEVEL DISPLAY

You can see the current SID (System Identification), channel number and RSSI level at a time. The RSSI is the signal strength of the current channel of operation represented in voltage. The higher voltage shows the better connection and clearer communications.

1. Press **(FNC) (*-> (6)MNO)**.
2. To clear the display, press **(CLR)**.



ELECTRONIC SERIAL NUMBER (ESN) DISPLAY

- Press **(FNC) (#-> (2)ABC)** to display your ESN.
 To clear the display, press **(CLR)**.

ANTI FRAUD SECURITY FEATURE (PIN Feature)

If your cellular carrier offers Personal Identification Number (PIN) service, your new phone must be programmed with your PIN. For your protection, you cannot make any outgoing calls until establishing your PIN. Please contact your cellular service provider for specific instructions.

To Place a Call Using the PIN service:

1. Enter a telephone number.
2. Press **(SEND)**.
 "PIN" will flash.
3. Press **(SEND)** again. Your call will then be placed.

To Enter the PIN and Turn the PIN Feature ON or OFF:

1. Press **(FNC) (#-> (*->)**.
2. Enter your 3-digit Unlock code.

Note: Please contact your authorized Audiovox dealer to check your initial Unlock code.

3. Enter your PIN (up to 6 digits).
4. Press **(▲)** or **(▼)** to turn the PIN feature on or off.
5. Press **(RS)**.
6. To exit the mode, press **(CLR)**.

Note: If the cellular carrier uses authentication, this feature will be overridden.

FUNCTION REVIEW

To Review the Function Menus:

1. Press **(FNC)**, then **(▲)** or **(▼)**. "FNC Review" will be displayed.
2. Press **(▲)** or **(▼)** to scroll up or down the function menus.
3. Press **(CLR)** to exit the mode.

Notes: • You can directly access to "FNC #0" by pressing **(FNC) (*-> (▲)/ (▼))**.

• You can directly access to "FNC #0" by pressing **(FNC) (#-> (▲)/ (▼))**.

To Directly Enter the Function Setting Mode:

1. Press **(FNC)**, then **(▲)** or **(▼)** to search for the desired function menu.
2. Press **(FNC)**. Then, you can enter the function setting mode.

The following table shows each function menu. In the actual display, "FNC 1 Scratch" and "FNC 1 Pad" will alternately be displayed in case of FNC 1.

Display	Function
FNC 1 Scratch Pad	Scratch pad memory
FNC 3 Keypad Tone	Keypad tone (DTMF) on/off selection
FNC 4 Back Light	Backlight on/off selection
FNC 5 Phone Lock	Locking your phone electronically
FNC 6 System Standard	Scan mode selection
FNC 8 Ringing Ring	Ringing option selection
FNC 9 Auto Answer	Automatic answer selection
FNC 01 Home ALPHA	Home SID Alpha Tag Programming
FNC 02 Prefer ALPHA	Preferred SID Alpha Tag Programming

Display	Function
FNC 03 Neutral ALPHA	Neutral SID Alpha Tag Programming
FNC 71 Message Mode	Message mode selection
FNC 72 Message Beep	Message beep selection
FNC 73 Wakeup Message	Wakeup message programming
FNC 74 Remind Message	Reminder message programming
FNC *0 Ringin9 Type 1	Ringin9 Tone Type Selection
FNC *1 Beep Tone	Call time warning tone selection
FNC *4 1-Touch Emer9.	One touch emergency call selection
FNC *5 Call Restr.	Call restriction mode selection
FNC *6 Display RSSI	Current SID, RF Channel and RSSI level display
FNC *7 Lang. English	Display language selection
FNC *8 LCD Contrast	Display contrast level adjustment
FNC *20 Call Counter	Temporarily accumulated call counter display
FNC *21 Out9o Call	Accumulated outgoing call counter display
FNC *22 Total Call	Accumulated call counter display
FNC *30 Call Timer	Elapsed timer display for current or last call
FNC *31 Out9o Time	Outgoing call timer display
FNC *32 Total Time	Cumulative call timer display
FNC *90 Volume Voice	Earpiece volume selection

Display	Function
FNC *91 Volume Ringin9	Ringin9 volume selection
FNC *92 Volume Tone	Keypad tone volume selection
FNC *93 Volume M-Beep	Message Beep volume selection
FNC #0 Missed Calls	Missed call number display/oriation
FNC #1 Own Phone	Own telephone number display
FNC #2 Display ESN	Own ESN display (Electronic Serial Number)
FNC #3 Display SIDH	Own system ID display
FNC #8 Chan9e DTMF	DTMF (keypad tone) duration selection
FNC #51 Chan9e Unlock	Unlock code change
FNC #52 Chan9e CR	Call restriction access code change
FNC #53 Chan9e C-Count	Call counter access code change
FNC #54 Chan9e C-Timer	Call timer access code change
FNC ## Chan9e PIN	PIN entry mode
FNC ## Multi Reg.	Multiple city registration (phone number and SID entry)

ENHANCED FEATURE OPERATION

The feature operation on the following pages pertains to "Enhanced Features" that may be offered by your cellular service provider. Before you can use these features, you must subscribe to them through your home cellular service provider.

Note: These optional network services may not be available in all areas.

Message Indicator MESSAGE

When your phone has unreviewed messages, Message Indicator will be displayed. When your phone receives a message, Message Indicator will flash.

Message Display On/Off Mode Selection

Message Display ON Mode is preset at the factory.

1. To change the Message Display ON/OFF Mode, press **FN** **7** **POS** **1**.
2. Enter your 3-digit Lock code.
3. Press **▲** to select ON mode or **▼** to select OFF mode.
4. Press **RS**.
5. To clear the display, press **CLR**.

Message Display at Message Receiving

When Message Display Mode is On and your phone receives Call Back Number, Short Message or Voice Mail, "CALL BACK", "SHORT MESSAGE" or "VOICE MAIL" will be displayed respectively. To view the message, press any key except **PWR** and **END**.

When Message Display Mode is Off and your phone receives the message, the Message Indicator will flash.

To view the message, enter Message Review Mode by pressing **☺**.

Message Display Upon Power Up

When Message Display Mode is On and there are unreviewed messages in the memory, the display will indicate the number of stored messages and the number of unreviewed messages. For example, if the display indicates "10-03 MESSAGE", "10" indicates the number of stored messages and "03" indicates the number of unreviewed messages.

When Message Display Mode is Off and your phone with unreviewed messages is powered up, the Message Indicator will be displayed.

To view the message, enter Message Review Mode by pressing **☺**.

Common Incoming Memory Stack

Your phone has a memory stack of 30 messages for the Message Services. Each message consists of up to 32 digits or 32 characters.

When your phone receives more than 30 messages, the message marked with "#" will be deleted from memory first.

When your phone has no memory marked with "#", the oldest message will be deleted so that the latest 30 messages remain in the memory stack.

Note: When a particular message is marked with "*", the message will not be deleted by this operation.

Message Review

1. Press **☺** to enter Message Review Mode.
"10-03 MESSAGE" will be displayed, for example.
In this case, "10" indicates the number of stored messages and "03" indicates the number of unreviewed messages.

Note: When your phone has no messages, "NO MSGS" will be displayed. To clear the display, press **CLR.**

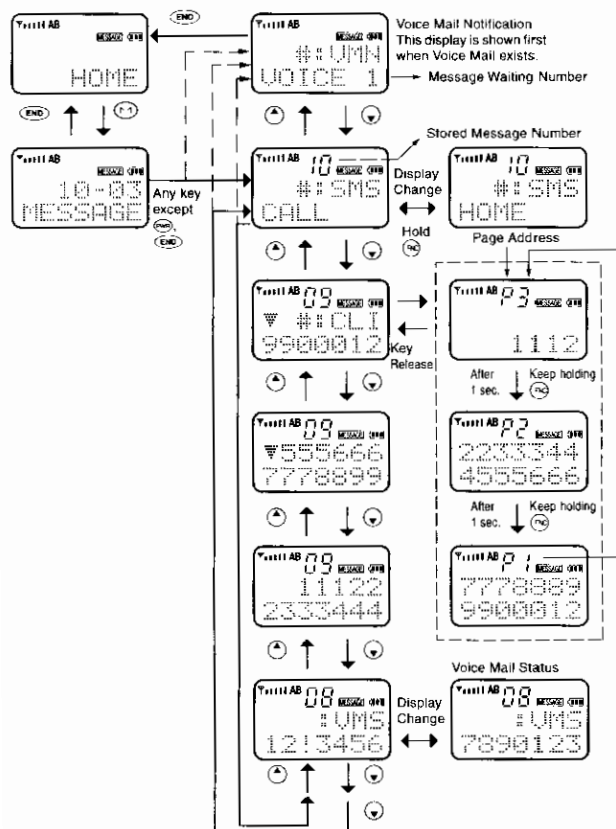
2. For specific key operations for message service, please use the following key operations:
 - a. To search and display unreviewed messages, press **☺** or **RS**.
 - b. To show the message from the latest memory, press **▼**.
 - c. To show the message from the oldest memory, press **▲**.
 - d. To hold the message in memory, press ***→**.
 "*" will be displayed. Maximum 10 messages can be held in the memory.
 - e. To prioritize deletion of a specific message, press **#→** while message is displayed.
When your phone attempts to store over 30 messages, the message with the "#" mark will be deleted first.
 - f. To delete the displayed message from memory, press **DOPE** **CLR** **CLR**.
 - g. To delete all the messages from memory, press **DOPE** **CLR** **CLR** (Hold the first **CLR** for 2 seconds).
 - h. To store the displayed message except Short Messages and Voice Mail into a phone number memory, press **FN** **RS** and enter a memory number of 01 to 89.
 - i. To originate a call to the displayed number except Short Message, press **SEND**.
 - j. To exit Message Review Mode, press **END**.

Notes: • The "▼" mark in the display will indicate there is a hidden display. Press **▼** to view the display.

• When a message has been reviewed, "*" will be displayed.

• When all the messages have been reviewed by **RS** operation, "ALL Review" will momentarily be displayed.

Example



VMN	: Voice Mail Notification
VMS	: Voice Mail Status
VMS(!)	: Voice Mail Status (Urgent)
CLI	: Call Line Identifier
SMS	: Short Message Status
CID	: Caller ID
	Alert with Info
	Flash with Info

Deleting a Message Individually

1. Press **OPER** **CLR** momentarily. "Clear ?" will be displayed.
2. If you do not wish to delete the message, press **END**. Or to execute the deletion of the message, press **CLR**. "Cleared" will momentarily be displayed.

Deleting all the Messages

1. Press **OPER** and hold **CLR** for two seconds. "ALL Clear ?" will be displayed.
2. If you do not wish to delete all the messages, press **END**. Or to execute the deletion of all the messages, press **CLR**. "ALL Cleared" will momentarily be displayed.

Storing a Digit Message of Call Back Number and Caller ID into Phone Number Memory

1. Press **FNC** **R/S**.
2. Enter XY. (XY is a location number of 01 to 89)

Or to automatically store a digit message at an unused memory location, press **FNC** **R/S** **R/S**. The stored memory number will be displayed for one second.

Notes: • Only digit messages can be stored.

• UNA (Number not available) and RES (Number Restricted) or Short Message will not be stored.

Caller ID

When your phone receives a call, the caller's phone number will be displayed and stored in the memory. If you are in conversation during a call and another call is attempted, your phone will beep three times and the caller's phone number will be displayed in Call Waiting.

To answer the call, press **SEND** or any digit key.

If you do not answer the call, the message indicator will flash and the Caller ID will be displayed.

Voice Mail Access Number

1. Press **VMN** to recall your Voice Mail Number.
2. In the following cases, press **SEND** to place a call to the Voice Mail Number.
 - At Voice Mail Notification
 - At Short Message "MRS" display during Message Review Mode

Note: It will be necessary to store your voice mail retrieval number in **[V.M.N.]** in advance to use the **[V.M.N.]** one touch dialing feature.

Refer to Storing Number in Link Dialing Memory (Page 29).

Message Beep Alert

Your phone will beep when receiving Message services:

- Short Message Repeat of single Beep
- Voice Mail Number/
Voice Mail Notification Repeat of two Beeps
- Call Back Number Repeat of three Beeps
- Flash with Info Repeat of three Beeps

Note: When Message Display Mode is Off, the above Beep Alert will not be repeated.

Message Beep Alert Tone Level Control

You can adjust Beep Alert tone level to seven levels while not in use.

1. Press **[FNC]** **[X-]** **[9WXYZ]** **[3DEF]**.

The current Beep Alert Tone will be heard and the level will be displayed.

2. Press **[▲]** or **[▼]** according to your desired tone level.
3. To clear the display, press **[CLR]**.

Message Beep On/Off Selection

Message Beep ON mode is preset at the factory.

1. Press **[FNC]** **[7FORS]** **[2ABC]**.

The currently selected mode will be displayed.

2. Press **[▼]** to select Message Beep Off mode.

"Message Beep **oF**" will be displayed.

Or press **[▲]** to select Message Beep On mode.

"Message Beep **oN**" will be displayed.

3. Press **[FNC]** to store the selection.

When Message Beep Alert Mode is Off, Message Beep Alert will not sound even if your phone receives Message services.

When Message Beep Alert Mode is Off, "Message Beep **oF**" will be displayed upon power up. To clear the display, press **[CLR]**.

AUDIOVOX ACCESSORY CATALOG MVX-605/605XL





BTR-605
Standard NiMH Battery
(650 mAh)



BTE-605
Extended Life NiMH Battery
(1000 mAh) (option)



CLP-505
Cigarette Lighter Charger
(option)



PBK-405
3 Watt RF Power
Booster (must be used
with HF-605) (option)



HF-605
Hands Free Mobile Kit
(option)



CNR-505
AC Adapter (standard
with MVX-605)

WS-700
Wrist Strap
(Not shown)



LB-605
Leather Carrying Case
(option)

These accessories are available at your local
AUDIOVOX Dealer.

For more information, call 1-800-229-1 CEL.

2 3 5





PROTECT YOUR WARRANTY

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

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

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



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GENERAL SPECIFICATIONS

Frequency Range:

Transmit: 824.040 to 848.970 MHz

Receive: 869.040 to 893.970 MHz

Number of RF Channels: 832 Channels, Full Duplex

Channel Spacing: 30 KHz

Duplex Spacing: 45 MHz

Frequency Stability: ± 2.5 PPM

Operating Temperature:

Main Unit: -22°F to $+140^{\circ}\text{F}$ (-30°C to $+60^{\circ}\text{C}$)

Battery: $+5^{\circ}\text{F}$ to $+122^{\circ}\text{F}$ (-15°C to $+50^{\circ}\text{C}$)

Battery Charging

Temperature: $+41^{\circ}\text{F}$ to $+104^{\circ}\text{F}$ (5°C to $+40^{\circ}\text{C}$)

Supply Voltage: 4.8 V – DC

RF Power Output: 0.6 W

Dimensions: $5.5" \times 1.9" \times 0.9"$
(140 mm \times 49 mm \times 24 mm)

Weight:

with Standard Ni-MH Battery: Approx. 5.1 oz. (145 g)

with Extended life Ni-MH Battery: Approx. 6.0 oz. (170 g)

Talk Time:

with Standard Ni-MH Battery: Approx. 70 Minutes

with Extended life Ni-MH Battery: Approx. 100 Minutes

Stand-by Time:

with Standard Ni-MH Battery: Approx. 12 Hours

with Extended life Ni-MH Battery: Approx. 18 Hours

** Subject to change without notice.*

TABLE OF KEY OPERATION

Key Operation	Function
(PWR)	Holding (PWR) turns your phone on and off.
Phone Number+ (FNC) + (1)	Stores to Scratch Pad Memory.
(FNC) + (0OPER) + (1)	Enters Home SID Alpha Tag Programming mode.
(FNC) + (0OPER) + (2ABC)	Enters Preferred SID Alpha Tag Programming mode.
(FNC) + (0OPER) + (3DEF)	Enters Neutral SID Alpha Tag Programming mode.
(FNC) + (3DEF) + (▲/▼) + (R/S)	Selects Keypad Tone (DTMF) On/Off mode.
(FNC) + (4GHI) + (▲/▼) + (R/S)	Selects Backlight On/Off mode.
(FNC) + (5JKL) +3 Digit Code	Locks your phone electronically.
(FNC) + (6MNO)	Displays current scan mode.
(FNC) + (6MNO) + (▲/▼) + (R/S)	Selects Scan Mode.
(FNC) + (7PQRS) + (1)	Turns the Message Mode on and off.
(FNC) + (7PQRS) + (2ABC) + (▲/▼) + (R/S)	Selects Message Beep On/Off mode.
(FNC) + (7PQRS) + (3DEF)	Enters Wakeup Message Programming mode.
(FNC) + (7PQRS) + (4GHI)	Enters Reminder Message Programming mode.
(FNC) + (8TUV) + (▲/▼) + (R/S)	Selects ringing option.
(FNC) + (9WXYZ) + (▲/▼) + (R/S)	Selects the Automatic Answer On/Off mode.
(FNC) + (V+)	Enters the Alphanumeric entry mode.
(FNC) + (CLR)	Activates key guard function.
(FNC) + (*) + (0OPER) + (▲/▼) + (R/S)	Selects Ringing Type.
(FNC) + (*) + (1) + (▲/▼) + (R/S)	Selects Call Time Warning Tone On/Off mode.

Key Operation	Function
(FNC) + (*) + (2ABC) + (0OPER)	Displays the temporarily accumulated number of calls.
(FNC) + (*) + (2ABC) + (1)	Displays the number of outgoing calls.
(FNC) + (*) + (2ABC) + (2ABC)	Displays the accumulated number of calls.
(FNC) + (*) + (3DEF) + (0OPER)	Displays the time of current or last call.
(FNC) + (*) + (3DEF) + (1)	Displays the time of outgoing calls.
(FNC) + (*) + (3DEF) + (2ABC)	Displays the cumulative call time.
(FNC) + (*) + (4GHI) +3 Digit Code +New Emergency Number + (▲/▼) + (R/S)	Changes Emergency Number and turns the One Touch Emergency call mode on and off.
(FNC) + (*) + (5JKL) +3 Digit Code	Activates the Call Restriction mode.
(FNC) + (*) + (6MNO)	Displays the current SID, current Channel and the RSSI Level.
(FNC) + (*) + (7PQRS) + (▲/▼) + (R/S)	Selects displayed language.
(FNC) + (*) + (8TUV) + (▲/▼)	Adjusts Display Contrast Level.
(FNC) + (*) + (9WXYZ) + (0OPER) + (▲/▼)	Adjusts the earpiece volume level.
(FNC) + (*) + (9WXYZ) + (1) + (▲/▼)	Adjusts the ringing sound output volume level.
(FNC) + (*) + (9WXYZ) + (2ABC) + (▲/▼)	Adjusts the tone volume level.
(FNC) + (*) + (9WXYZ) + (3DEF) + (▲/▼)	Adjusts the Message Beep volume level.
(FNC) + (#) + (0OPER) + (▲/▼) + (SEND)	Displays missed call number and originates to the number.
(FNC) + (#) + (1)	Displays own telephone number.
(FNC) + (#) + (2ABC)	Displays your Electronic Serial Number (ESN).

12 MONTH LIMITED WARRANTY

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

Accessories, if supplied, except rechargeable battery packs, are similarly warranted for 12 months. Battery packs are warranted from the date of purchase for 90 days. To obtain repairs or replacement within the terms of this Warranty, the product should be delivered with proof of warranty coverage, specification of defect(s), transportation prepaid, to the Company at the address shown below.

In the United States call toll free to (800) 229-1235 [in NY State and other areas, call (516) 233-3410]

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

The Company disclaims liability

for geographic coverage, inadequate signal to antenna, communications range or operation of the Cellular System as a whole. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER.

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

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

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