

Applicant: Shintom Co., Ltd.

Transmitter Type: BFYM3047



*OPERATING INSTRUCTIONS*



*HANDHELD PORTABLE CELLULAR TELEPHONE  
COMPLETE WITH CHARGER AND BATTERY*

***MVX605/605XL***

PRINTED IN JAPAN 10-99

## 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. 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 a 3 watt RF Power Booster. A Cigarette Lighter Charger, Battery Eliminator and a Leather Carrying Case 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. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

#### ANTENNA CARE

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

### **PHONE OPERATION**

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

**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**

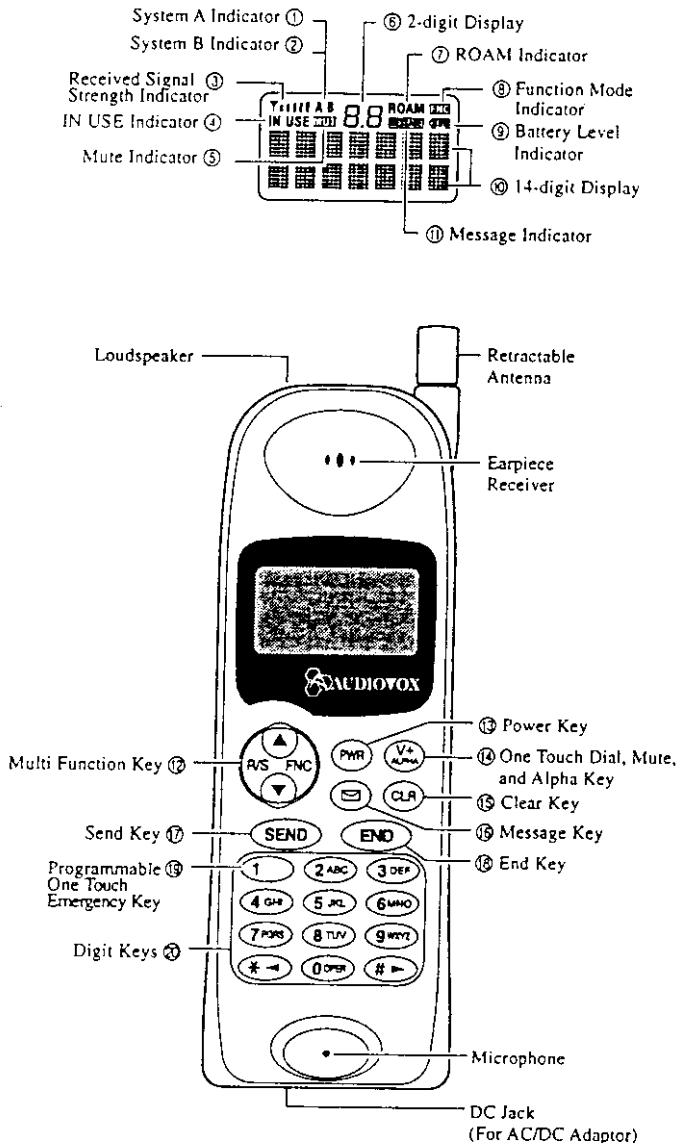
- SID management (programmable option)
- Multiple city registration
- Easy to read LCD display with alphanumeric and status indicators
- 3 language display
- Ringing type selection
- Display contrast level adjustment
- Backlight on/off selection
- Programmable wake-up message
- Keypad tone (DTMF) on/off selection
- Missed call number display/origination
- Ringing Mute
- Reminder Message
- Back-lit keypad and LCD display
- Microphone mute control
- Ringing Mute
- 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

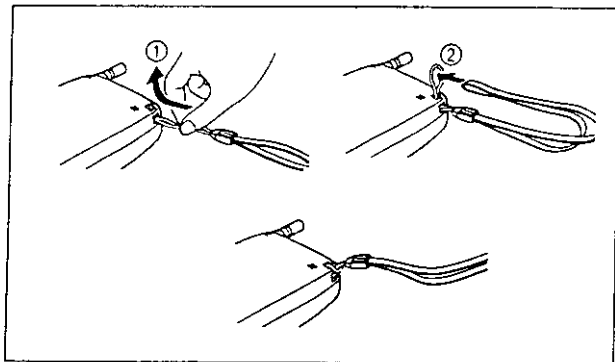


- ① A lights when the system A (non-wireline) is selected.
- ② B lights when the system B (wireline) is selected.

**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 MUTE lights when the mute control is active.
- ⑥ 2-digit display 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 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
  - (Recall/Store) recalls telephone numbers from the memory. Also used to store telephone numbers in the memory.
  - (Function) is used with digit keys to allow operation of extended functions, etc.
  - or (Up or down keys) adjusts the ringing, earpiece and keypad tones. Also used to select ON/OFF setting and scroll.
- ⑬ (Power) turns your phone on and off.
- ⑭ (One Touch 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 a call, switches off the microphone to mute your voice.
  - Used to enter alphanumeric characters.
- ⑮ (Clear) clears the digit(s) from the display.
- ⑯ (Message) enters Message Review Mode.
- ⑰ initiates and answers a call.
- ⑱ terminates a call.
- ⑲ (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

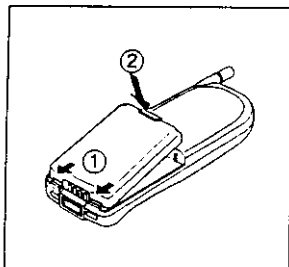


## BATTERY OPERATION

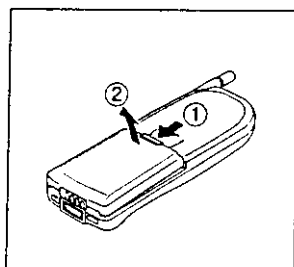
Be sure that your battery is fully charged before using your cellular telephone for the first time. The telephone will not operate without a charged battery.

## BATTERY INSERTION/REMOVAL

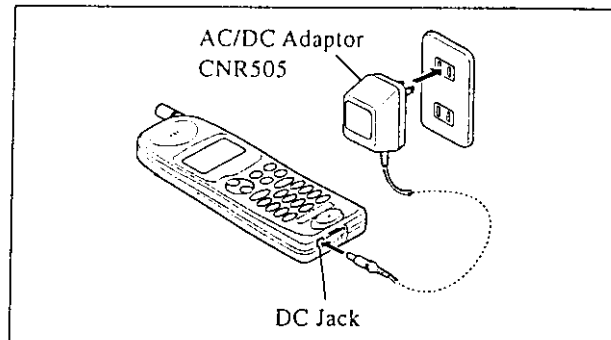
### Battery Insertion



### 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 BTM605 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.

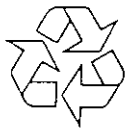
- To place or receive calls during charging, press and hold **(PWR)** to turn your phone on. After calls, press and hold **(PWR)** again to turn your phone off.

## 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.

Power Management  
Talk & Stand-By Times

Battery	Talk-Time	Stand-By Time	Weight
650 mAH NiMH BTM605	70 Minutes	12 Hours	5.6 oz.
1000mAH NiMH BTE605	100 Minutes	18 Hours	6.4 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 **(MC)** **(7 PWS)** **(3 DEF)**.  
"Wakeup Message" will be displayed.
2. Enter your desired wakeup message, using alphanumeric character entry keys. (Please refer to Page 21.)
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 **(MC)** **(7 PWS)** **(4 REM)**.  
"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  .
- "Key Guard" will be displayed.

To deactivate Key guard feature









1. Press   again.

**Note:** When Keypad Disable mode is programmed as active and Handsfree connector is connected, key guard function is 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     .
- .
2. Press .
- Talk with the other party.
3. To terminate the call, press .

IN USE

1234567

**To Correct Entered Digits:**

- Press **CL** to erase the last digit entered.
- Press and hold **CL** 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 **PC**. 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 five preset types.

1. Press **PC** **RT** **DOWN**.  
"Ringing Type" and the current ringing type number will be displayed. And the current ringing type will be heard.
2. Press **UP** or **DOWN** to hear other ringing types.
3. When your desired ringing type is heard, press **RS** to store the selection.
4. Press **END** or **CL** 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 **CL**.

**Missed Call Number Display/Origination**

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

1. Press **PC** **RT** **DOWN**.  
"UC" and phone number of the latest missed call will be displayed.
2. To display the second latest missed call number, press **UP**.  
If you wish to go back to the previously displayed missed call number, press **DOWN**.
3. To originate a call to the displayed number, press **SEND**.  
Or to exit this mode, press any key except **SEND**, **UP**, **DOWN**.

**Ringing Option**

1. Press **PC** **RTN**.  
"Select **▲/▼**" will be displayed.
2. Press **UP** or **DOWN**.  
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 four increasing volume level)
  - "Ringing Silent" (Silent Ringing)
3. Press **UP** or **DOWN** until your desired ringing option is displayed.
4. Press **RS** 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.

**To Activate Automatic Answering:**

Press **(FNC) (9MY)**.

"Auto Answer on" will be displayed.

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

**To Deactivate Automatic Answering:**

Press **(FNC) (9MY)** again.

"Auto Answer off" will be displayed.

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

**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 **(RS) (#) (Down)** to display the most recent number.
  - Press **(RS) (#) (1)** to display the second most recent number.
  - Press **(RS) (#) (2/ABC)** to display the third most recent number.
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**

Your phone has 7-level volume controls each for the earpiece volume, the ringing volume level and the keypad tone level.

**Earpiece Volume**

During a call, press **(▲)** or **(▼)** to raise or lower the loudness of other party's voice.

While not in use, press **(FNC) (\* →) (9MY) (Down)** to display "Voice". Press **(▲)** or **(▼)** to adjust the earpiece Volume.

**Ringing Volume**

During ringing, press **(▲)** or **(▼)** to raise or lower the ringing volume level.

While not in use, press **(FNC) (\* →) (9MY) (1)** to display "Ring-ing". Press **(▲)** or **(▼)** to adjust the Ringing Volume.

**Keypad Tone Volume**

In standby mode, press **(▲)** or **(▼)** to raise or lower the keypad tone volume level.

**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 **(MC) (5) (1)**.
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 **(MC) (#) (5) (1)**.  
"Unlock Free?" 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 **(MS)**.

**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)	A	B	Space	1	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
(0000)	.	.	#	0	.

#### [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.V.).

"ALPHA" will flash.

Transit AB  
ALPHA ?  
TEL NO?

- 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)

Transit AB  
JOHN  
TEL NO?

- 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.V.). "ALPHA?" will flash.
  - Enter a name with the name entry keys.
- Press (FNC) (AS). "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** **5JL** **6MNO** **7PQRS**.
2. Press **PRG** **Y**.  
"ALPHA?" will flash.
3. Enter JOHN with the name entry keys.
4. Press **PRG** **RS**. "Store ?" will be displayed.
5. Enter **1** **Down**. 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.

Y1111AB **QTY**  
ALPHA?  
1234567

Y1111AB **QTY**  
JOHN  
1234567

Y1111AB **10** **QTY**  
JOHN  
1234567

**Note:** If telephone number is not entered before pressing **PRG** **Y**, "TEL NO?" will be displayed. In this case, press **Y** to enter a telephone number.

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

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

Y1111AB **QTY**  
2345678

Y1111AB **11** **QTY**  
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 **PRG** **Y**. "ALPHA?" will flash.
  - 2) Enter a name with the name entry keys.
3. Press **PRG** **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** **5JL** **6MNO** **7PQRS** **8TUV** **9WXY**.
2. Enter JOHN.
  - 1) Press **PRG** **Y**. "ALPHA?" will flash.
  - 2) Enter the name with the name entry keys.
3. Press **PRG** **RS** **RS**.

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

Y1111AB **12** **QTY**  
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 **PRG** **Y**. "ALPHA?" will flash.
  - 2) Enter a name with the name entry keys.
3. Press **PRG** **RS**.
4. Press **Up** or **Down** 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 5 6 7 8 9 0**.
2. Enter JOHN.
  - 1) Press **FN** **ALPHA?** "ALPHA?" will flash.
  - 2) Enter the name with the name entry keys.
3. Press **FN** **RS**.
4. Press **▲** or **▼** to search for vacant memory location 13, for example.
5. Press **RS**.
6. Press **CLR**.

MEMORY 13  
JOHN  
4567890

**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 **FN** **RS**. 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 (1-89):

1. To display the telephone number, follow one of the next procedures.
  - To search for the telephone number, press **RS**, then **▲** / **▼**.
  - Press **RS**, **X** / **X** **X**.
2. Press **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 **RS** and enter **X** / **X** **X**.
2. Press **FN** **NAME**.
3. Edit the name with the name entry keys.
4. Press **FN** **RS** **RS** 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 **FN** **NAME**.
2. Enter the name with the name entry keys.
3. Enter **RS** **▲** / **▼** for direct search.
4. Press **NAME** **NAME** to set phone number edit mode.
5. Enter new Phone number.
6. Press **FN** **RS** **RS** to store.
7. Press **CLR** to clear the display.

### Memory Search

When you wish to search the memory information:

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

**Note:** After pressing **RS**, 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 **RS**.
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 **(RS)**.
2. Enter **(1)** **(DOWN)**.
3. Press **(SEND)**.



### Dialing after Telephone Number Search

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

1. Press **(RS)**.
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)** **(RC)** **(VA)**.  
"ALPHA?" will flash.
2. Enter the beginning part of name with the digit keys.  
Example: Enter J, JO, or JOH for JOHN.
3. Press **(RS)**. "Search" will be displayed.
4. Press **(▲)** or **(▼)** to search for the desired name.
5. Press **(SEND)** to initiate the dialing.

**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/VRT)**.

1. Press one of keys **(1)** to **(9/VRT)**.
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 **(VA)** 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 **(RC)** **(RS)** **(VA)** and enter Link Dialing Memory Number.  
To store the number as secret number, press **(RC)** **(RS)** **(VA)** **(\*)** 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 **(RS)** **(VA)** and enter Link Dialing Memory Number.  
To recall a secret number from a Link Dialing Memory, press **(END)**, 3-digit lock code, **(RS)** **(VA)** and enter Link Dialing Memory Number.

### Making Link Dialing

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

**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 **(VA)**.

2. To transmit DTMF signals for numbers stored in M2 to M5, press **(VA)** 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 **(VA)** or **(SEND)** to send the PIN first.



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

## ONE TOUCH DIALING


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 **RC** **X** **5**.
- 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 **RC** **#** **5** **2**.  
"Restn. Pre?" will be displayed.
- Enter your current 3-digit Call Restriction code.  
"Restn. 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

To toggle the Long Tone and Short Tone for the time duration of DTMF tones, press **RC** **#** **8**.

#### 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 **RC** **3**.

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** **X**.
- 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 **FUNC** **⬅** **3DEF** **⬇**.

"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 **FUNC** **⬅** **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 to 0000:00, press **⬅** **CLR** while "Outgo-T XXXX:xx" is 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 **FUNC** **⬅** **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 to 0000:00, press **⬅** **CLR** while "Total-T XXXX:xx" is 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 **FUNC** **⬅** **2ABC** **⬇**.

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

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

To reset the total number to 0000, press **⬅** **CLR** while "Call XXXX" is 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 **FUNC** **⬅** **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 to 0000, press **⬅** **CLR** while "Outgo-C XXXX" is 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 **FUNC** **⬅** **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 to 0000, press **⬅** **CLR** while "Total-C XXXX" is 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 **FUNC** **⬅** **5.M** **4.04**.  
"Timer Pre?" will be displayed.

- To change your Call Counter code, press **(FNC) (H) (5) (300)**.  
"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.

#### To Turn the Warning Tone ON:

- Press **(FNC) (\*) (1)** while not in use.  
"Beep Tone on" will be displayed.
- Press **(CLR)** to clear the display.

#### To Turn the Warning Tone OFF:

Press **(FNC) (\*) (1)** again while not in use. On/off will toggle and "Beep Tone off" will be displayed.

## SID MANAGEMENT (PROGRAMMABLE OPTION)

You can take advantage of a family of SID (System Identification) groups by this Programmable option. 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 "HO SID" 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 "HO SID", 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.

- To enter Programming mode of Home SID, Preferred SID or Neutral SID, enter **(FNC) (Down) (1)** or **(FNC) (Down) (2) (ABC)** or **(FNC) (Down) (3) (DEF)** respectively.  
"H-ALPH" or "P-ALPH" or "N-ALPH" 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

- To enter Neutral Alpha Tag Programming mode, press **(FNC) (Down) (3) (DEF)**.  
"N-ALPH" will be displayed.
- To enter "ROAM", press **(7) (RO) (7) (RO) (7) (RO) (H) (S) (A) (M) (S) (A) (M)**.  
**(S) (A) (M) (H) (S) (A) (M) (H) (S) (A) (M)**.
- Press **(RS)**.

### 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 **[FNC]** **[GAPD]**.
2. Press **[▲]** or **[▼]** until your desired system is displayed.
3. Press **[RS]**.

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

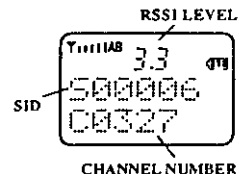
After programming the new number, your phone will automatically wake up again, and display your new phone number.

**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]** **[\*]** **[GAPD]**.
2. To clear the display, press **[CLR]**.



**ELECTRONIC SERIAL NUMBER (ESN)**

Press **(FNC)** **(#)** **(2ABC)** 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)**.

**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 #1" by pressing **(FNC)** **(\*)** **(▲)** **(▼)**.

• You can directly access to "FNC #1" 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 71 Message Mode	Message mode selection
FNC 72 Message Beep	Message beep selection

Display	Function
FNC 73 WakeUp Message	Wakeup message programming
FNC 74 Remind Message	Reminder message programming
FNC 40 RingInG Tone 1	RingInG Tone Type Selection
FNC 41 Beep Tone	Call time warning tone selection
FNC 44 1-Touch Emerg.	One touch emergency call selection
FNC 45 Call Restr.	Call restriction mode selection
FNC 46 Display RSSI	Current SID, RF Channel and RSSI level display
FNC 47 Select Lang.	Display language selection
FNC 48 LCD Contrast	Display contrast level adjustment
FNC 49 Select RingInG	RingInG tone selection
FNC 420 Call Counter	Temporarily accumulated call counter display
FNC 421 Outgo Call	Accumulated outgoing call counter display
FNC 422 Total Call	Accumulated call counter display
FNC 430 Call Timer	Elapsed timer display for current or last call
FNC 431 Outgo Time	Outgoing call timer display
FNC 432 Total Time	Cumulative call timer display
FNC 490 Voice Volume	Earpiece volume selection
FNC 491 RingInG Volume	RingInG volume selection
FNC 492 Tone Volume	Keypad tone volume selection

Display	Function
FNC 493 M-Beep Volume	Message Beep volume selection
FNC 41 Own Phone	Own telephone number display
FNC 42 Display ESN	Own ESN display (Electronic Serial Number)
FNC 43 Display SIDH	Own system ID display
FNC 48 Change DTMF	DTMF (keypad tone) duration selection
FNC 40 Missed Calls	Missed call number display/origination
FNC 451 Change Unlock	Unlock code change
FNC 452 Change CR	Call restriction access code change
FNC 453 Change C-Count	Call counter access code change
FNC 454 Change C-Timer	Call timer access code change
FNC 44 Change PIN	PIN entry mode
FNC 44 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 **FUNC** **7/END** **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.

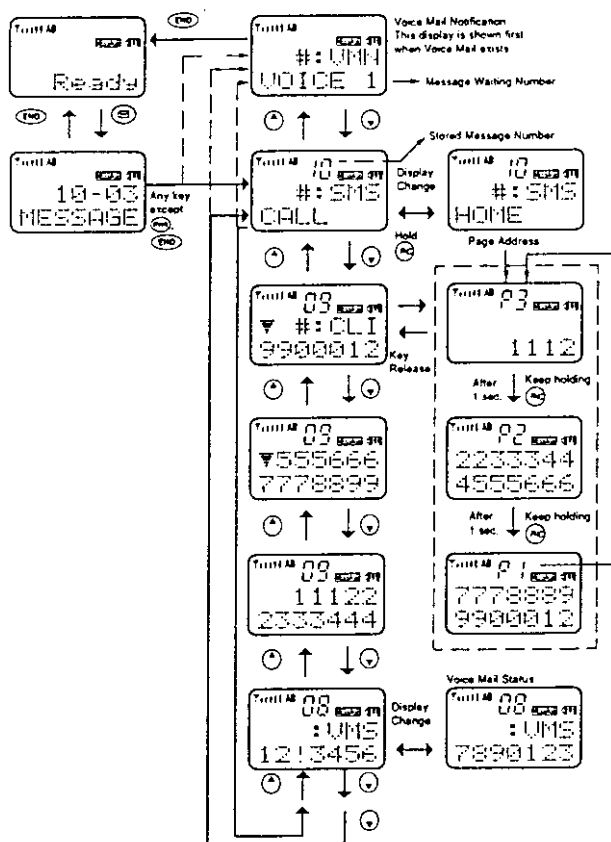
**Note:** When your phone has no messages, "NO MSGS" will be displayed. To clear the display, press **CLR**.

2. For specific key operations for message service, please use the following key operations:
  - a. To search and display unreviewed messages, press **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 **CLR CLR**.
  - g. To delete all the messages from memory, press **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 **FUNC/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 **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 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 **MC** **RS**.
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 **MC** **RS** **RS**. 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 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 **☎** 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  in advance to use the  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    .
- 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 .

#### Message Beep On/Off Selection

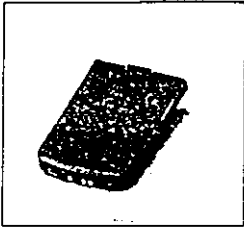
Message Beep ON mode is preset at the factory.

1. To toggle Message Beep On/Off mode, press   . "Message Beep off" (Message Beep Off mode) or "Message Beep on" (Message Beep On mode) will be displayed.
2. To clear the display, press .

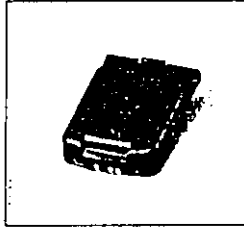
When Message Beep Alert Mode is Off, Message Beep Alert will not sound even if your phone receives Message services. When Message Beep Alert Mode is Off, "Message Beep off" will be displayed upon power up. To clear the display, press .

## AUDIOVOX ACCESSORY CATALOG MVX-605/605XL

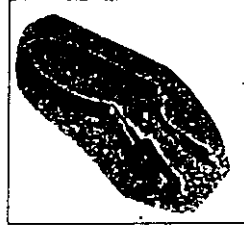




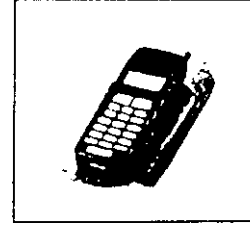
**BTM-605**  
Standard NiMH Battery  
(650 mAh)



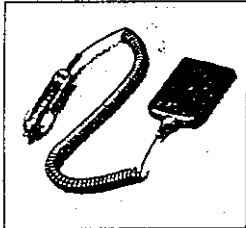
**BTE-605**  
Extended Life NiMH Battery  
(1000 mAh) (option)



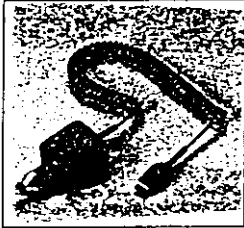
**CLP-505**  
Cigarette Lighter Charger  
(option)



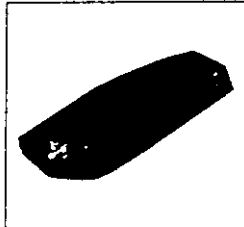
**LB-605**  
Leather Carrying Case  
(option)



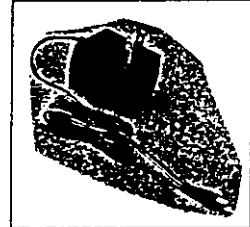
**CLA-605**  
Cigarette Lighter Adapter  
(option)



**CHF-605**  
Cigarette Lighter Hands  
Free (option)



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



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



**HF-605**  
Hands Free Mobile Kit  
(option)

**WS-700**  
Wrist Strap  
(Not shown)

These accessories are available at your local  
AUDIOVOX Dealer.

For more information, call 1-800-229-1 <sup>2 3 5</sup>CEL.





## 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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 Audiovox Pacific Pty Ltd  
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 Audiovox New Zealand Pty Ltd  
 Unit B, 6 Henderson Place, Auckland, 6496345720  
 Audiovox Singapore Pte Ltd  
 268 Orchard Road, #07-07, Singapore, 238856, 65-733-5902  
<http://www.audiovox.com>

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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°F (-30°C to +60°C)
Battery:	+5°F to +122°F (-15°C to +50°C)
Battery Charging	
Temperature:	+41°F to +104°F (5°C to +40°C)
Supply Voltage:	4.8 V – DC
RF Power Output:	0.6 W
Dimensions:	5.5" × 1.9" × 0.9" (140 mm × 49 mm × 24 mm)
Weight:	
with Standard Ni-MH Battery:	Approx. 5.6 oz. (160 g)
with Extended life Ni-MH Battery:	Approx. 6.4 oz. (184 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
<b>(PWR)</b>	Holding <b>(PWR)</b> turns your phone on and off.
Phone Number+ <b>(FNC)</b> + <b>(1)</b>	Stores to Scratch Pad Memory.
<b>(FNC)</b> + <b>(3DEF)</b> + <b>(▲/▼)</b> + <b>(RS)</b>	Selects Keypad Tone (DTMF) On/Off mode.
<b>(FNC)</b> + <b>(4GH)</b> + <b>(▲/▼)</b> + <b>(RS)</b>	Selects Backlight On/Off mode.
<b>(FNC)</b> + <b>(5JL)</b> +3 Digit Code	Locks your phone electronically.
<b>(FNC)</b> + <b>(6AND)</b> + <b>(▲)</b>	Displays current scan mode.
<b>(FNC)</b> + <b>(6AND)</b> + <b>(▲/▼)</b> ..... <b>(RS)</b>	Selects Scan Mode.
<b>(FNC)</b> + <b>(7PMS)</b> + <b>(1)</b>	Turns the Message Mode on and off.
<b>(FNC)</b> + <b>(7PMS)</b> + <b>(2ABC)</b>	Turns the Message Beep on and off.
<b>(FNC)</b> + <b>(7PMS)</b> + <b>(3DEF)</b>	Enters Wakeup Message Programming mode.
<b>(FNC)</b> + <b>(7PMS)</b> + <b>(4GH)</b>	Enters Reminder Message Programming mode.
<b>(FNC)</b> + <b>(8TUV)</b> + <b>(▲/▼)</b> ..... <b>(RS)</b>	Selects ringing option.
<b>(FNC)</b> + <b>(9WYZ)</b>	Turns the Automatic Answer mode on and off.
<b>(FNC)</b> + <b>(JL)</b>	Enters the Alphanumeric entry mode.
<b>(FNC)</b> + <b>(CLR)</b>	Activates key guard function.
<b>(FNC)</b> + <b>(*)</b> + <b>(OPEN)</b> + <b>(▲/▼)</b> + <b>(RS)</b>	Selects Ringing Type.
<b>(FNC)</b> + <b>(*)</b> + <b>(1)</b>	Turns the Call Time Warning Tone on and off.
<b>(FNC)</b> + <b>(*)</b> + <b>(2ABC)</b> + <b>(OPEN)</b>	Displays the temporarily accumulated number of calls.
<b>(FNC)</b> + <b>(*)</b> + <b>(2ABC)</b> + <b>(1)</b>	Displays the number of outgoing calls.
<b>(FNC)</b> + <b>(*)</b> + <b>(2ABC)</b> + <b>(2ABC)</b>	Displays the accumulated number of calls.

KEY OPERATION	Function
<b>(FNC)</b> + <b>(*)</b> + <b>(3DEF)</b> + <b>(OPEN)</b>	Displays the time of current or last call.
<b>(FNC)</b> + <b>(*)</b> + <b>(3DEF)</b> + <b>(1)</b>	Displays the time of outgoing calls.
<b>(FNC)</b> + <b>(*)</b> + <b>(3DEF)</b> + <b>(2ABC)</b>	Displays the cumulative call time.
<b>(FNC)</b> + <b>(*)</b> + <b>(4GH)</b> +3 Digit Code	Changes Emergency Number and turns the One Touch Emergency call mode on and off.
<b>(FNC)</b> + <b>(*)</b> + <b>(5JL)</b> +3 Digit Code	Activates the Call Restriction mode.
<b>(FNC)</b> + <b>(*)</b> + <b>(6AND)</b>	Displays the current SID, current Channel and the RSSI Level.
<b>(FNC)</b> + <b>(*)</b> + <b>(7PMS)</b> + <b>(▲/▼)</b>	Selects displayed language.
<b>(FNC)</b> + <b>(*)</b> + <b>(8TUV)</b> + <b>(▲/▼)</b>	Adjusts Display Contrast Level.
<b>(FNC)</b> + <b>(*)</b> + <b>(9WYZ)</b> + <b>(OPEN)</b>	Adjusts the earpiece volume level.
<b>(FNC)</b> + <b>(*)</b> + <b>(9WYZ)</b> + <b>(1)</b>	Adjusts the ringing sound output volume level.
<b>(FNC)</b> + <b>(*)</b> + <b>(9WYZ)</b> + <b>(2ABC)</b>	Adjusts the tone volume level.
<b>(FNC)</b> + <b>(*)</b> + <b>(9WYZ)</b> + <b>(3DEF)</b>	Adjusts the Message Beep volume level.
<b>(FNC)</b> + <b>(#)</b> + <b>(OPEN)</b> + <b>(▲/▼)</b> ..... <b>(SEND)</b>	Displays missed call number and originates to the number.
<b>(FNC)</b> + <b>(#)</b> + <b>(1)</b>	Displays own telephone number.
<b>(FNC)</b> + <b>(#)</b> + <b>(2ABC)</b>	Displays your Electronic Serial Number (ESN).
<b>(FNC)</b> + <b>(#)</b> + <b>(3DEF)</b>	Displays your Home System ID (SIDH).
<b>(FNC)</b> + <b>(#)</b> + <b>(5JL)</b> + <b>(1)</b>	Changes your Unlock Code.
<b>(FNC)</b> + <b>(#)</b> + <b>(5JL)</b> + <b>(2ABC)</b>	Changes your Call Restriction Access Code.

KEY OPERATION	Function
$\text{FNC} + \text{#} + \text{5} + \text{DEF}$	Changes your Call Counter Access Code.
$\text{FNC} + \text{#} + \text{5} + \text{RL} + \text{4} + \text{D} + \text{#}$	Changes your Air Timer Access Code.
$\text{FNC} + \text{#} + \text{8} + \text{TUV}$	Changes the Keypad Tone (DTMF) Duration.
$\text{FNC} + \text{#} + \text{*} + \text{#} + \text{3 Digit Code} + \text{PIN} + \text{▲} / \text{▼} + \text{RS}$	Enters PIN and turns PIN feature on and off.
$\text{CLR} + \text{5 Digit New SID} + \text{10 Digit Phone Number} + \text{FNC} + \text{#} + \text{#} + \text{3 Digit Code}$	Multiple City Registration (Changes the phone number and SIDH).
$\text{CLR}$	Clears the last digit. If held in, erases the entire number from display.
$\text{CLR} + \text{END}$	Clears the entire number from display.
Phone Number + $\text{FNC} + \text{RS}$ + Memory Location Number	Stores the telephone number in the memory.
Phone Number + $\text{FNC} + \text{RS}$ + Name + $\text{FNC} + \text{RS}$ + Memory Location Number	Stores the telephone number and the alphanumeric information in the memory.
Phone Number + $\text{FNC} + \text{RS}$ + $\text{RS}$	Searches the vacant memory and stores the telephone number automatically.
Phone Number + $\text{FNC} + \text{RS}$ + $\text{RS}$ + Name + $\text{FNC} + \text{RS}$ + $\text{RS}$	Searches the vacant memory and stores the telephone number and alphanumeric information automatically.
Phone Number + $\text{FNC} + \text{RS}$ + $\text{▲} / \text{▼}$	Searches the vacant memory address to store.
$\text{RS} + \text{#} + \text{0} + \text{#} + \text{1} / \text{2} + \text{ABC}$	Displays the telephone number of three latest calls.
$\text{RS} + \text{Memory Location Number}$	Recalls the telephone number from the memory.
$\text{RS} + \text{*} + \text{Memory Location Number}$	Adds the DTMF tone to the recalled number.

KEY OPERATION	Function
$\text{RS} + \text{▲} / \text{▼}$	Recalls the telephone number in address order.
$\text{FNC} + \text{▲} / \text{▼} + \text{Name} + \text{RS} + \text{▲} / \text{▼}$	Searches the telephone number by alphanumeric characters.
$\text{V} + \text{V}$	In standby mode, holding $\text{V} + \text{V}$ initiates a call to the number stored in One Touch Memory. During a call, pressing $\text{V} + \text{V}$ switches the Mute mode on and off. In alphanumeric entry mode, pressing $\text{V} + \text{V}$ toggles between phone number entry and name entry mode.
$\text{SEND}$	Receives the call when "Call" flashes.
Phone Number + $\text{SEND}$	Processes the call.
$\text{END}$	Terminates the call.

**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.

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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.

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**IN U.S.A.: AUDIOVOX COMMUNICATIONS CORPORATION**

555 Wireless Blvd. Hauppauge, New York 11788 (516) 233-3300

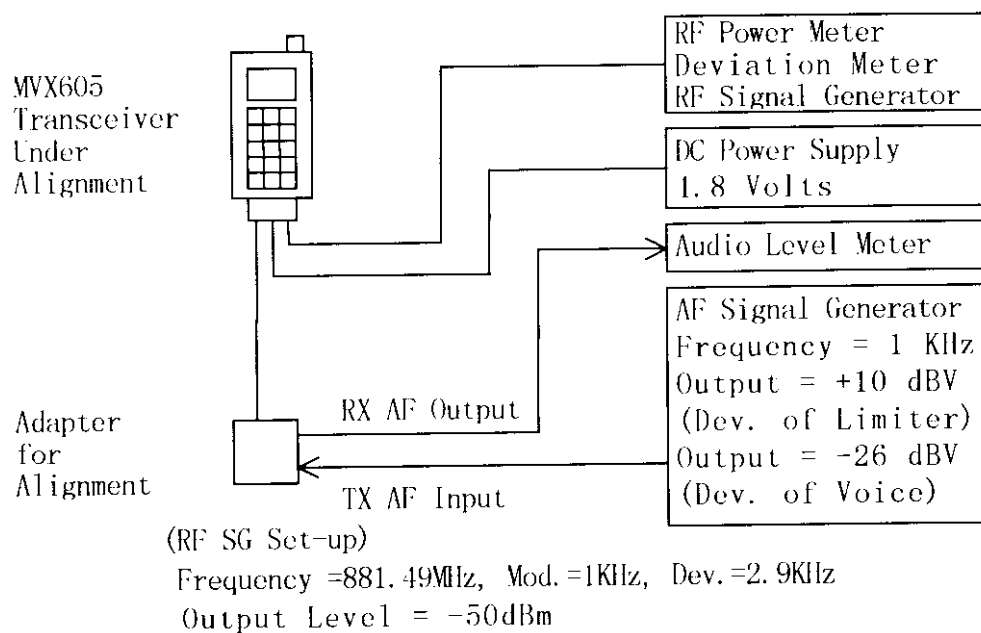
**IN CANADA: AUDIOVOX CANADA, LTD.**

405 Britannia Road East Suite 101 Mississauga, Ontario L4Z 3E6 (905) 712-9299 (800) 465-9672



TUNE-UP PROCEDURE

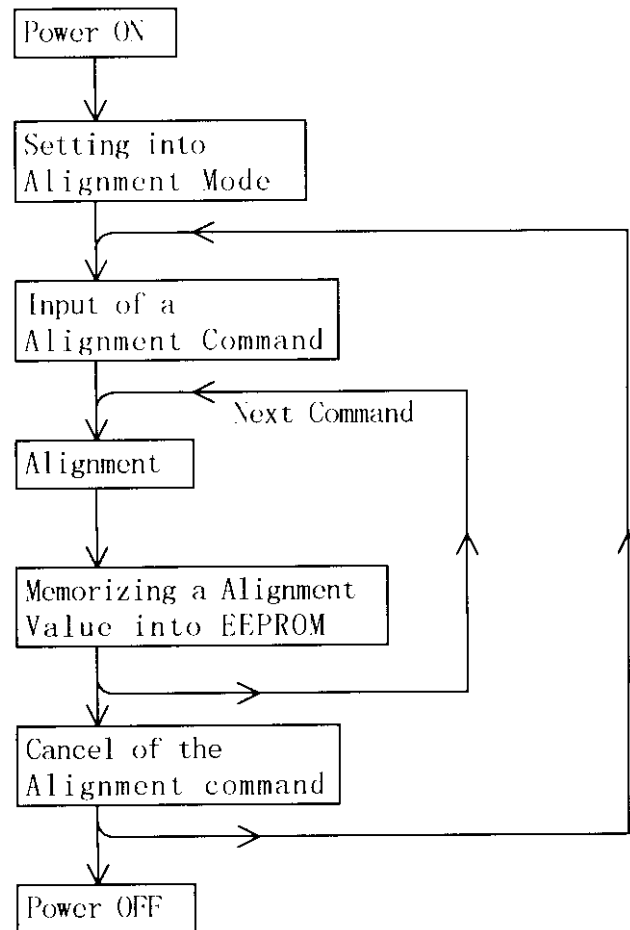
## 1. SET-UP FOR TUNE-UP OF TRANSMITTER



## 2. COMMAND LIST FOR ALIGNMENT

COMMAND	ALIGNMENT ITEMS
01	AFC Temperature Sensor
02	Frequency
03	RX Demodulation
04	RX RSSI Level for -50dBm
05	RX RSSI Level for -110dBm
06	Power Level of PL0
07	Power Level of PL3
08	Power Level of PL4
09	Power Level of PL5
10	Power Level of PL6
11	Power Level of PL7
12	Deviation of ST1
13	Deviation of ST3
14	Deviation of ST2
15	Deviation of SAT
16	Deviation of Voice
17	Deviation of DTMF (697Hz/1209Hz)

### 3. ALIGNMENT PROCEDURE



## 4. KEY OPERATION FROM HANDSET

## (a) Setting into Alignment Mode

Push keys as follows:

FNC	#	6	4	3	#	FNC
-----	---	---	---	---	---	-----

CLR	0	SEND	8	3	7
-----	---	------	---	---	---

SEND
------

## (b) Input of a Alignment Command

Push keys as follows:

		SEND
--	--	------

2nd digit of a Alignment Command  
1st digit of a Alignment Command

## (c) Alignment

Increasing Alignment value:

Push a key 

▲
---

 (Up key)

Decreasing Alignment value:

Push a key 

▼
---

 (Down key)

## (d) Memorizing a Alignment value into EEPROM

Push a key 

R/S
-----

## (e) Cancel of the Alignment value into EEPROM

Push a key 

END
-----

## 5. ALIGNMENT VALUE

ALIGNMENT Command	Measurement	Frequency (MHz)	Alignment
01	AFC Temperature Sensor	-----	Room Temperature $\pm 3^{\circ}\text{C}$
02	Frequency	836.49 (383)	836.49MHz $\pm 200\text{Hz}$
03	RX Demod Level	881.49 (383)	$-26.0 \pm 0.5 \text{ dBV}$
04	RX RSSI Level	881.49 (383)	-----
05	RX RSSI Level	881.49 (383)	-----
06	Power Level 0	836.49 (383)	$+27.8 \pm 0.2 \text{ dBm}$
07	Power Level 3	836.49 (383)	$+23.8 \pm 0.2 \text{ dBm}$
08	Power Level 4	836.49 (383)	$+19.8 \pm 0.2 \text{ dBm}$
09	Power Level 5	836.49 (383)	$+15.8 \pm 0.2 \text{ dBm}$
10	Power Level 6	836.49 (383)	$+11.8 \pm 0.2 \text{ dBm}$
11	Power Level 7	836.49 (383)	$+7.8 \pm 0.2 \text{ dBm}$
12	ST1 Deviation (Peak)	824.04 (991)	$8.0 \pm 0.2 \text{ KHz}$
13	ST3 Deviation (Peak)	848.97 (799)	$8.0 \pm 0.2 \text{ KHz}$
14	ST2 Deviation (Peak)	836.49 (383)	$8.0 \pm 0.2 \text{ KHz}$
15	SAT Deviation (Peak)	836.49 (383)	$2.0 \pm 0.2 \text{ KHz}$
16	Voice Deviation (Peak)	836.49 (383)	$2.9 \pm 0.2 \text{ KHz}$
17	DTMF Deviation (Peak)	836.49 (383)	$8.6 \pm 0.2 \text{ KHz}$