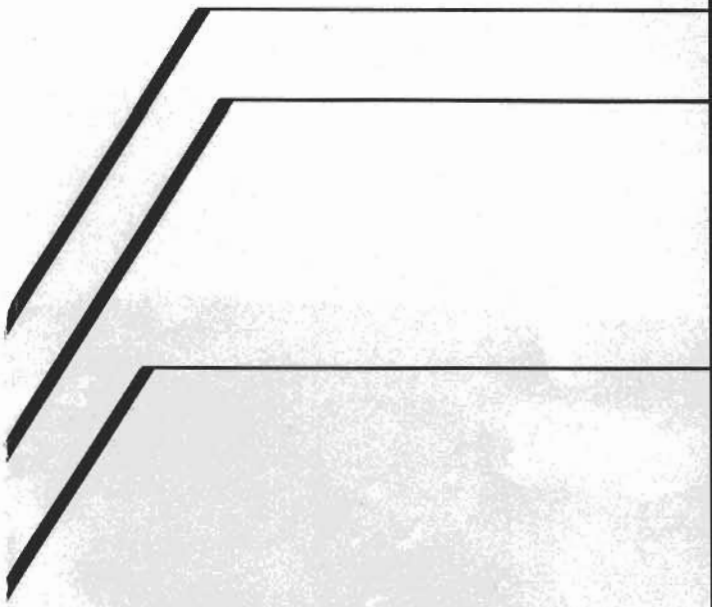

HANDHELD
PORTABLE
CELLULAR
TELEPHONE

OWNER'S OPERATING
INSTRUCTIONS

AUDIOVOX®
Cellular Communications

Division of Audiovox Corporation
185 Oser Ave., Hauppauge, NY 11788

PRINTED IN KOREA

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1. MVX300

Congratulations. By choosing the MVX300, 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.

The Audiovox MVX300 Portable Cellular Telephone comes complete with a Slim Profile battery and a desk top charger. The Slim Profile battery pack provides over 55 minute of talk time and/10 hours of standby time.

The Audiovox MVX300 is packed with advanced features, like one touch dialing, programmable emergency calling and a battery life indicator.

The Audiovox MVX300 also features "any digit key" answering that allows you to answer a call by pressing any of the numbered keys on the keypad. It also has the ability to redial any of the last nine numbers you attempted to call!

Optional accessories include; Extended life Battery Pack, a Handsfree Car Kit with RJ11 output(for interface with computers or facsimile machines), and provisions for external antenna. A cigarette lighter adapter, travel charger, vehicle charger and leather carrying case are also available.

And of course, your new Audiovox MVX300 comes with something only an Audiovox phone can provide. The proven reliability that has made Audiovox one of the worlds 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.

2. GENERAL INFORMATION

☎This phone is a power transmitting device. Do not hold the cellular telephone such that the antenna is in contact with exposed parts of the body, especially the face or eyes, while the device is turned on.

☎Do not use the cellular telephone in an airplane.

☎Turn off your phone when refueling a vehicle with gasoline and please always obey "off two radio" signs.

☎Never store nor carry flammable gas, liquids or explosive materials in the same compartment with your cellular telephone.

☎Never use your phone while the vehicle is in motion, even if your phone allows hands-free operation. When a call is received or you are making a call, pull off the road and park your vehicle.

☎Electronic devices such as speed control, anti-brake system, digital instrument panel displays, and high wattage audio system are usually protected in vehicle installations from emitting electromagnetic radiation. A possibility exists that such devices could interfere with the proper operation of your cellular phone and your phone with them. Consult your vehicle dealer or manufacturer's representative should such problems develop.

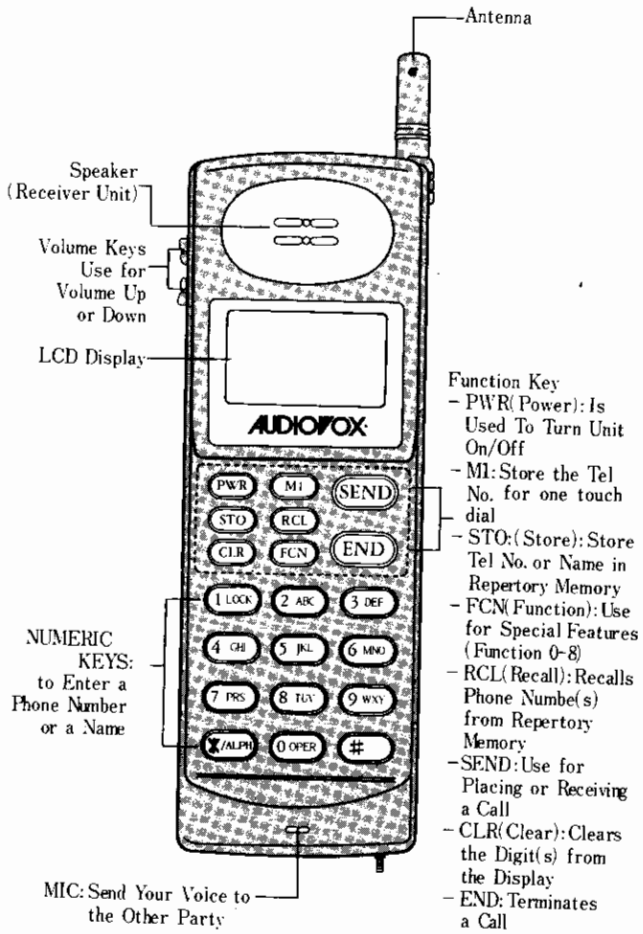
☎The MVX300 phone is capable of operation in an AMPS cellular system. Your cellular service provider has entered into "ROAMING" working agreement with other cellular ser-

vice providers to serve you when you travel to other cities and countries. However, operational procedures and air-time charges can differ between these providers. (Contact your "HOME" cellular service provider for details.)

☎Automatic Roaming:As a "ROAMER"operating in a system having automatic roaming, you will be charged the service rates established by the cellular system provider operator for that system. These charges will be billed to your cellular service bill.

☎Credit-Card Roaming:In several cities and areas, the cellular system carrier operator will allow you to use their system if you register(sometimes pre-register)when entering (or planning to enter)the area. A major credit card will be required against which the service charges will be billed.

3. INDICATOR AND KEYPAD



4. BASIC OPERATION

4.1. CHARGING THE BATTERY

MVX300 battery may be supplied without charge. Please charge the battery with the desk-top charger or vehicle charger before using the phone. The phone will not work without a charged battery. (See chapter 9 for additional details.)

4.2. TURNING THE TELEPHONE ON/OFF

☞ *Hint*

TO TURN ON :[PWR] TO TURN OFF : [PWR]Hold for 0.5 seconds

To turn on your telephone, press the [PWR] key, you will hear the short wakeup tone from the speaker in handset. The LCD will be black for 0.5 seconds. Then your telephone number and one of the following three messages which indicate your telephone status will be displayed on the LCD.

[READY] : When the phone is in HANDSET /HHP mode.

[LOCK] : When the phone is non-operational and locked

[HFREE] : When the phone is in handsfree mode.

To turn off your telephone, simply press the power [PWR] key for about 0.5 seconds and the LCD display will be blank.

☛ *Note*

If the phone is locked, enter the lock code correctly when you want to unlock the phone. If the phone does not unlock even though you have entered the lock code, reenter the lock code after press [CLR] key for about 0.5 seconds.

4.3. PLACING A CALL

☞ *Hint*

TO PLACE A CALL : [PHONE NUMBER]+[SEND]

If you wish to place a call, enter the telephone number and then press the [SEND] key. When you want to make a long distance call, you should enter the area code first.

Any telephone number you try to call will be stored into the phone's special memory. Up to a maximum of nine numbers can be stored at any one time. You can review these telephone numbers at any time. (See chapter 6.6 for details.)

If, for any reason, your call is not completed, you will hear one of two kinds of tones. One is fast busy tone(Intercept Tone) to alarm you that you are in a no-service cellular area and that the call can not be completed. (i.e. press the [SEND] key when a no-service [NOSVC] area.) The other tone is a normal busy(Reorder Tone) notifying you that the call can not be completed even though cellular service is good, because the number being called is already engaged. In this case, press the [END] key and retry your call in a few minutes by pressing the [SEND] key or using the automatic REDIAL feature. (See chapter 6.6 for details.)

4.4. RECEIVING A CALL

☞ *Hint*

TO RECEIVE A CALL : [SEND] or [ANY KEY]

When you hear your phone ringing or when you see the message "CALL" on the LCD display, press the [SEND] key to receive the call. If you set the "Any-Key-Answer"option, you can press any key to answer the call. (See chapter 7.4 for

details.)

4.5. ENDING A CALL

☞ *Hint*

TO END A CALL : [END]

If you wish to stop the conversation (disconnect the call), press the [END] key. In case that you press the [SEND] key very quickly after pressing the [END] key, the "WAIT"message may be displayed in LCD display. This means your call is being held for a moment.

5. ADVANCED OPERATION

5.1. CLEAR ONE/ALL DIGITS IN LCD DISPLAY

☞ *Hint*

TO CLEAR ONE DIGIT : [CLR] TO CLEAR ALL DIGIT : [CLR]Hold for 0.5 seconds

✌ Example

[0]..[9] : "0123456789" [CLR] : "012345678" [CLR](Hold) : " "

5.2. AUDIO MUTE

☞ *Hint*

TO MUTE : [FUN]+[2] RESUME AUDIO : [FUN]+[2]

This function allows you to confer privately with others during a conversation. If you want to mute your voice(i.e.stop your voice from being transmitted), simply press the [FCN] key and the number [2] key "MUTE" message will be display on the LCD. To resume the conversation, press the [FCN] key and the number [2] key again. Then the "MUTE" message disappears from the LCD.

✌ *Example*

[0]...[2] : "0112210562" [SEND] <in conversation> [FCN], [2] : "MUTE" : "0112210562" <voice is muted> [FCN], [2] : "0112210562" <continue conversation>

☛ *Note*

In the mute state, DTMF tones are not transmitted.

5.3. VOLUME ADJUSTMENTS

You can control the volume of the voice, key pad and the ring tone by using the volume buttons which are on the left side of the phone. The LCD displays the controlling state of the volume with the number of bars.

5.3.1. AUDIO VOLUME ADJUSTMENT

☞ *Hint*

TO INCREASE : [▲] (Hold until desired level is reached)
TO DECREASE : [▼] (Hold until desired level is reached)

To increase the volume during a conversation, press volume up [▲] key and hold it down until the desired level is reached, then release the key. To decrease the volume press the volume down [▼] key and hold it down until the desired level reached, then release the key. The phone stores and remembers the last entered level until you change it.

5.3.2. KEYPAD TONE VOLUME ADJUSTMENT

☞ *Hint*

TO INCREASE : [▲] (Hold until desired level is reached)
TO DECREASE : [▼] (Hold until desired level is reached)

To increase the volume during a conversation, press volume up [▲] key and hold it down until the desired level is reached, then release the key. To decrease the volume press the volume down [▼] key and hold it down until the desired level is reached, then release the key. The phone stores and remembers the last entered level until you change it.

5.3.3. RING TONE VOLUME ADJUSTMENT

☞ *Hint*

TO INCREASE : [FCN]+[▲] Hold until desired level is reached
TO DECREASE : [FCN]+[▼] Hold until desired level is reached

To increase the ring tone volume, press [FCN] key first and then press volume up [▲] key and hold it down until the desired level is reached, then release the key. To decrease the volume, press [FCN] key first and then press the volume down [▼] key and hold it down until the desired level is reached, then release the key. The phone stores and remembers the last entered level until you change it.

5.4. BACKLIGHT

The LCD and keypad backlight is turned on when you press any key. In order to save power, this backlight will be turned off after 8 seconds from the last touch of any key (Default Option).

☛ *Note*

It is important to note that the backlight function is a major drain of battery power. Therefore, it is highly recommended that if you use the phone in daylight or well lighted locations, turn off the backlight by setting the mode option to OFF mode. This will extend battery life dramatically (See chapter 7.4 for detail)

✒ *Note*

Your MVX300 phone has be programmed to turn off the backlight when battery is low in order to reduce current consumption even though the option of backlight is in the AUTO mode.

5.5. LOW BATTERY WARNING ALARM/DISPLAY

When the battery power is almost completely discharged, the warning beep alarm will be generated periodically and the message "LBATT" is displayed on LCD. At that time, you should replace the low battery with a new fully charged one.

5.6. CALL IN ABSENCE INDICATOR AND COUNTER

When a call is not answered, or your party or Carrier Service terminate the call, the MVX300 will display the number of unanswered calls received. The call counter is cleared when you answer a call or when you turn your phone off.

5.7. AUTOMATIC ANSWER

When this feature is set, the MVX300 will automatically answer a call even though you do not press the [SEND] key to answer the key. The phone will generate an alert tone two times and connect the call automatically(See chapter 7.4 for details).

5.8. MASTER RESET/CLEAR

☞ *Hint*

TO RESET/CLEAR : [LOCK-CODE]+[STO]+[0]+[0]+[STO]
TO ESCAPE : [CLR]

This feature changes the status of the telephone to factory production status. If you want to reset all changed status to manufacturer's default status, use this feature. The resetting time is about 20 seconds.

✍ *Example*

[LOCK-CODE] : "123"
[STO], [0], [0] : "RESET"
"PHONE?"
[STO] :

5.9. SELECT NAM AND DISPLAY OWN TELEPHONE NUMBER

☞ *Hint*

[LOCK-CODE] : "123"
[STO], [0], [0] : "RESET"
"PHONE?"
[STO] :

The MVX300 has a dual NAM(Two telephone numbers) capability. If two NAM's are assigned to your phone and you would like to change the NAM's, press the [RCL] key, [#] key and the up [▲] or the down [▼] key to locate the required NAM. When the NAM you want is displayed, simply press the [STO] key and the telephone number displayed will become your selected NAM. If you would like to cancel this function, just press the [CLR] key.

Example

[RCL], [#]	:	"NAM-1"
[▲], OR [▼]	:	"NAM-2"
[STO]	:	
[RCL], [#]	:	"NAM-2"
[CLR]	:	

Note

If your phone does not have a second telephone number(Second NAM), The number displayed will not changed.

6. MEMORY

6.1. STORING

6.1.1. STORE ONE-TOUCH NUMBER

Hint

TO STORE : [PHONE NUMBER]+[STO]+[M1]
TO REVIEW : [RCL]+[M1]

The ONE TOUCH is a very useful feature of the MVX300 cellular phone. To operate, simply press the [M1] key while the phone is in standby mode and the number stored the ONE TOUCH memory location will be dialed automatically. You can use this memory location for the phone number you call most frequently. Enter the area code and the telephone number and press the [STO] key and the [M1] key to store the dialed number. The number will be stored in the ONE TOUCH memory. You can review the ONE TOUCH memory by pressing the [RCL] key and the [M1] key. If you want to change the ONE TOUCH number, just repeat the above procedures. The [M1] new number will be stored at ONE TOUCH memory instead of the previous number.

Example

[5]...[0][0]	:	I	"5162333300"
[STO], [M1]	:	"M1"	"5162333300"
[RCL], [M1]	:	"M1"	"5162333300"

6.1.2. STORE SPEED DIAL NUMBER

☞ *Hint*

TO STORE : [NUMBER]+[STO]+[*/ALPH]+[STO]
[NUMBER]+[STO]+[0-5]+[*/ALPH]
[NUMBER]+[STO]+[01-60]

Telephone numbers can be stored into your MVX300 by storage methods as follows:
Automatically storing the number into the next vacant memory location
Automatically storing the number into the selected memory groups
Manually storing the number into the selected memory location

AUTOMATICALLY STORING INTO THE NEXT VACANT MEMORY LOCATION

The feature allows you to store the number in the next vacant memory location. After storing the number, the location number will be displayed on the LCD.

✌ *Example*

[5]...[0][0] : " "
: "5162333300"
[STO], [*] : "SM:23"
"5162333300"

Above example explains that the number "5162333300" is stored at the address of vacant memory location "23". If there is no vacant memory location in the repertory memory, the number will not be stored in memory. The message "FULL"will appear on the LCD display. In this case, use the manual sequence to replace a number already in memory or see chapter 6.2.

☞ *Note*

The range of repertory memory is from 01 ot 60

AUTOMATICALLY STORING A NUMBER INTO A SELECTED MEMORY GROUP

This feature allows you to store a number into a selected group of 10 numbers which makes it easy to recall any of the number stored in that group. For example, the range of location 10-19 are personal numbers, numbers 20-29 for business suppliers, numbers 30-39 for business customers, etc. After storing the number, the memory location will be displayed If there is already a number stored in the selected locations, simply reselect a new location or use the manual overwrite sequence or see chapter 6.2.

✌ *Example*

[5]...[0][0] : "5162333300"
[STO], [2], [*] : "SM:24"

Above example shows that the next available memory location in twenties group was 24 and the number is stored in that location .

☞ *Note*

The MVX300 has 60 repertory memory locations. To use this method of storing numbers, you must first select the numeric grouping(0-5) you want before pressing[*] key(i.e. 2 is for 20-29, 4 is 40-49).

MANUALLY STORING A NUMBER INTO A SELECTED MEMORY LOCATION.

Manual storing is a very simple operation. You must select the location number whenever you store the phone number.

Example

[5]..[0][0]	: "5162333300"
[STO], [2], [5]	: "SM:25" "5162333300"

Example

[5]...[0][0]	: "5162333300"
[STO], [2], [5]	: "OCCUPIED"
[STO]	: "SM:25" "5162333300"

Note

If the selected memory location address is occupied, the message "OCCUPIED" will be displayed on the LCD. If you want to overwrite the number in the occupied location, press the [STO] key again. When you store a number into the repertory memory(including the automatic store feature), the message "FULL" will be displayed on LCD if all memory locations are occupied. You can again use the overwrite function if desired. But if you don't want to, just press the [CLR] key.

6.1.3. STORING ALPHA CHARACTERS

The MVX300 can store up to 10 ALPHA CHARACTERS per memory location. The characters "A" to "Z and"."and the numbers "0" to "9" can be stored.

Example

[5]...[0][0]	: "5162333300"	
[FCN], [*/ALPH]	: "ALPHA"	
[2]	: "ALPHA"	"A"
[8], [▲]	: "ALPHA"	"AU"
[3]	: "ALPHA"	"AUD"
[4], [▲] [▲]	: "ALPHA"	"AUDI"
[6], [▲] [▲]	: "ALPHA"	"AUDIO"
[8], [▲] [▲]	: "ALPHA"	"AUDIOV"
[6], [▲] [▲]	: "ALPHA"	"AUDIOVO"
[9], [▲]	: "ALPHA"	"AUDIOVOX"
[STO]	: "5162333300"	
[0], [4]	: "SM:04"	"5162333300"

In the above example, the number "5162333300" and the name "AUDIOVOX" have been stored together in storage memory location "04". To verify this, simply press the [RCL] key and enter "04". The phone number and "SM:04" will be displayed momentarily, then the phone number and NAME "AUDIOVOX" will be displayed. If the NAME is longer than 5 letters, the display will alternate between the first ALPHA CHARACTERS and the balance of ALPHA CHARACTER.
If you make an error while programming the NAME, press the clear [CLR] key to erase the last ALPHA CHARACTER..

Note

The period ".", letters "Q" and "Z" are located in keys 1, 7 and 9 respectively.

6.1.4. STORING PAUSE SYMBOL (PAUSE DIALING)

Hint

TO STORE : [NUMBER]+[STO]+[#]
[NUMBER TO TRANSMIT]+[STO]
[MEMORY LOCATION]

The pause symbol is used for linking a phone number and credit card number or DTMF digit codes(for DTMF transmitting). This pause symbol can be stored in your repertory memory.

Example

```
[5][1]...[0][0]  : "5162333300"
[STO], [#]       : "5"              "162333300p"
[1], [2], [3], [4] : "51623"        "33300p1234"
[STO], [2], [4]  : "SM:24"          "33300p1234"
                 :
                 :
Place a call
[RCL], [2], [4]  : "RM:24"          "33300P1234"
[SEND]
Transmit DTMF 1234 after beep tone
[SEND]           : "1234"
                 : Transmitted the DTMF of "1234"
```

6.2. CLEARING MEMORY

☞ *Hint*

TO CLEAR : [CLR]+[STO]+[X]+[X]+[STO]

If the repertory memory(your telephone directory) is full, you can not store any more phone numbers. You have the option of clearing a memory you do not use frequently. To do so, clear entire LCD by pressing and holding the [CLR] key and then store the blank telephone number(blank screen) to desired location to clear that location.

6.3. RECALL VACANT MEMORY LOCATION

☞ *Hint*

TO SEARCH : [RCL], [*/ALPH], [▲] or [▼]

When you are storing a telephone number into the repertory memory, you may overwrite a stored telephone number with the new one by mistake. To avoid this error, it is best to search for a vacant memory location before storing. The phone will always indicate the first available (lowest number) memory location.

Example

```
[RCL] [*/ALPH] : "VM:29"
[▲]            : "VM:34"
[▼]            : "VM:29"
[CLR]
```

By using the up [▲] and the down [▼] keys you can search additional "EMPTY" location while in this mode of operation.

6.4. RECALLING

6.4.1. RECALL STORED NUMBER BY LOCATION

☞ *Hint*

TO RECALL : [RCL]+[X]+[X]

This procedure is used to recall a telephone number from your repertory memory. This procedure can also be used to confirm the telephone number in repertory memory and to dial that telephone number with minimum key pressing.

☛ *Note*

The message "EMPTY" will be displayed on the LCD display, if there is no telephone number in the repertory memory you selected.

6.4.2. RECALL SPEED DIAL NUMBER BY ALPHA CHARACTERS

☛ *Hint*

TO RECALL : [FCN]+[*/ALPH]+
[ALPHA CHARACTERS]+[RCL]

This procedure is useful in searching for the telephone number by the name of the person/company/code that relates to the phone number.

Example

```
[FCN], [*/ALPH] : "ALPHA"
[2], [▲]        : "ALPHA"  "A"
[8], [▲] [▲]    : "ALPHA"  "AU"
.
.
.
[9], [▲]        : "ALPHA"      "AUDIOVOX"
[RCL]           : "SM;04"  "5162333300"
                : "IOVOX"  "5162333300"
```

In the above example, recalling the NAME "AUDIOVOX" recalls the number "5162333300"which was stored together with the NAME "AUDIOVOX" in storage memory location "04". To verify this, simply press the [RCL]key and enter "04". The phone number and "SM:04"will be displayed momentarily then the phone number and NAME "IOVOX" will be displayed. The display will alternate between the first three characters "AUD" and the balance of ALPHA characters "IOVOX".

☛ Note

See chapter 6.1.3 STORING ALPHA CHARACTERS for additional details.

6.4.3. REPEAT NUMBER RECALL (SCROLLING)

☛ *Hint*

TO SCROLL : [▲]or [▼]
AFTER A NUMBER IS RECALLED
TO CANCEL : [CLR]

After recalling a number from your repertory memory, you can review previous and next stored telephone numbers by simply pressing the up [▲]and the down [▼] keys. To terminate the scrolling, press the [CLR] key.

6.5. SPEED DIALING

6.5.1. ONE TOUCH DIALING THROUGH [M1]

☛ *Hint*

TO CALL : [M1]
TO CANCEL : [END]

This feature is a very useful function as a high speed dialing method. Simply press the [M1] key and the stored number in the one-touch memory location is recalled and dialed.

6.5.2. SUPER SPEED DIALING

☞ *Hint*

TO ACTIVATE : [X] (Hold for 0.5 seconds) TO CANCEL : [END]

This feature works like the one touch dialing feature. Just press and hold a single digit key(1–9) for 0.5 seconds and the telephone number that is stored into that memory location is recalled and dialed.

☛ *Note*

You should press the key in the range of repertory memory (1–9). You can store the memory as 01-09.

6.5.3. TWO-TOUCH DIALING

☞ *Hint*

TO ACTIVATE : [X]+[X] (Hold for 0.5 seconds) TO CANCEL : [END]

This feature is similar to the one-touch dialing feature except that you have to touch two number keys and hold the second number key for 0.5 seconds in order to recall and dial the number in the keyed memory location.

☛ *Note*

You should press the key in the range of repertory memory(10-60).

6.5.4. DIALING FROM REPERTORY MEMORY

☞ *Hint*

TO CALL : [RCL]+[X]+[X] and [SEND] TO CANCEL : [END]

✌ *Example*

[RCL], [4], [2] : "RM:42" "5162333300" [SEND] : "5162333300"

6.5.5. ALPHA DIALING

☞ *Hint*

TO CALL : [FCN]+[*/ALPH]+ [ALPHA CHARACTERS]+[SEND]

This feature is for dialing with ALPHA CHARACTERS. It is a useful way of recalling the number you have forgotten from your repertory memory location. First, enter the ALPHA mode by pressing the [FCN] key and the [*/ALPH] key. Then enter the ALPHA CHARACTERS press the [SEND key. The corresponding telephone number to the ALPHA CHARACTERS will be recalled and dialed.

✌ *Example*

[FCN], [*/ALPH]	: "ALPHA"
[2]	: "ALPHA" "A"
[2], [▲], [▲]	: "ALPHA" "AC"
[8]	: "ALPHA" "ACT"
[6], [▲], [▲]	: "ALPHA" "ACTO"
[7], [▲], [▲]	: "ALPHA" "ACTOR"
[SEND]	: "ACTOR" "3109267758"

☛ *Note*

If there is not a corresponding name in the repertory memory, the "EMPTY" message is displayed on the LCD and this feature is ended.

6.6. RE-DIALING

6.6.1. REDIAL THE LAST 9 TRIED NUMBERS

☛ *Hint*

TO REDIAL : [RCL]+[RCL]+[▲] or [▼]+[SEND]
TO CANCEL : [END]

The MVX300 has 9 auxiliary memories for storing the last 9 telephone numbers you tried calling. You can search the history of the last 9 called numbers by using the up [▲] and the down [▼] keys.

✌ *Example*

[RCL] [RCL] : "LAST1" "5162333300"
[▲] : "LAST2" "5162333301"
[▼] : "LAST1" "5162333300"
[SEND] : "5162333300"

6.6.2. REDIAL LAST CALLED NUMBER

☛ *Hint*

TO REDIAL : [RCL]+[0]+[0]+[SEND]
TO CANCEL : [END]

To recall the last number your phone was connected to (you had a conversation), press the [RCL] key and the [0] key twice. The last number called will be displayed on the LCD. Then press the [SEND] key to dial and call the number.

6.6.3. AUTOMATIC NUMBER REDIAL

☛ *Hint*

TO REDIAL : [FCN]+[SEND] (From beginning)
: or [SEND] (After reorder tone)
: or [SEND] (Hold for 0.5 seconds)

In case the cellular system is busy or you are in a weak signal area and the call is not connected successfully, you can use this feature to help you connect your call as soon as possible. When this feature is activated, the phone will try to dial the called telephone number 10 times until the call is successfully connected. The length of each call attempt is 5 seconds.

✌ *Example*

[5]...[0] : "5162333300"
[SEND] : "5162333300"
: reorder tone
[SEND] : "REDIAL" "5162333300"
: Fast ring tone & conversation state

☛ *Note*

If all redial attempts to reach the called number fail, the MVX300 will generate a reorder tone for 30 seconds and automatically stop the redial feature.

6.7. TRANSMIT DTMF SIGNAL

☞ *Hint*

TO TRANSMIT : [X] (while in conversation)
: or for a stored DTMF signal in memo
: [RCL]+[X]+[X]+[FCN]+[SEND]

If you press a digit key while in conversation, a DTMF tone is transmitted. If you want to transmit the DTMF digits stored in the repertory memory, you can recall the DTMF digits from repertory memory by using [RCL] key and location key(s) [X], [X] and then pressing the [FCN] key and the [SEND] key. It is important to note that if the volume of key tone is in the mute state, no DTMF tone will be transmitted.

☛ *Note*

Pressing the [FCN] and the [SEND] key in sequence is used for two kinds of functions. The first is for the automatic redial function in standby mode and the other is for transmitting a DTMF signal while in conversation.

7. FUNCTIONS

7.1 SELECT SERVICE SYSTEM[FCN-0]

☞ *Hint*

TO SELECT : [FCN]+[0]+[▲]or[▼]+[STO]
TO CANCEL : [CLR]

Worldwide, cellular networks work on one of two service channel groups:A-system or B-system. If you are in "HOME", there is no need to change your service system state. But if you are traveling outside of your home area, you may have to change your system status in order to send and receive calls. At that time, you should change the service system state of your telephone to that of the area you wish to operate within.

✌ *Example*

[FCN], [0]	: "A"	"PREFERRED"
[▲]	: "B"	"PREFERRED"
[▲]	: "A"	"ONLY"
[▲]	: "B"	"ONLY"
[▲]	: "HOME"	"ONLY"
[▲]	: "A"	"PREFERRED"
[▲]	: "B"	"PREFERRED"
[STO]	:	
[FCN], [0]	: "B"	"PREFERRED"
[▼]	: "A"	"PREFERRED"
[CLR]	:	

☛ *Note*

If you set the service system state incorrectly, you will not be able to access the cellular system.

7.2. LOCKING[FCN-1/LOCK]

☞ *Hint*

TO LOCK	: [FCN]
	: [1/LOCK] (Hold down until phone locks)
TO UNLOCK	: [LOCK-CODE]

To lock your phone, press the [FCN] key and the [1/LOCK] key and hold for more than 0.5 seconds. The "LOCK" message will be displayed on the LCD. In lock mode you can not use the phone for calling. To unlock the phone, enter the lock code assigned at NAM programming or when programming the lock code function. If you enter a wrong lock code, repeat the procedure after pressing the [CLR]key for more than 0.5 seconds.

✌ *Example*

[FCN], [1/LOCK] (HOLD)	: "LOCK"
[LOCK CODE]	: Phone will be operational

☛ *Note*

In the locked state, you can not dial out, but you can answer an incoming call by pressing the [SEND] key. And even in the locked state, you can access emergency call or toll free service by pressing the keys of their assigned numbers.

7.3. BATTERY LEVEL CHECK[FCN-3]

☞ *Hint*

TO REVIEW	: [FCN]+[3]
TO END	: Release the key

The RSSI indicator always works in standby mode and conversation mode. If you wish to confirm the battery status, press the [FCN] key and the key [3] and the battery level

will be displayed in RSSI level indicator. (The more bars displayed the longer the battery life.)

7.4. SET THE STATUS OF TELEPHONE[FCN-4]

☞ *Hint*

TO SEARCH	: [FCN]+[4]+[LOCK CODE]+[▲]or[▼]
TO CHANGE	: [RCL]
TO SET	: [STO]
TO CANCEL	: [CLR]

This function is for setting the operating status of your telephone. You can select and change the status of the following functions. (The state of parenthesis is the factory present)

BACK-LIGHT AUTO/OFF (AUTO)
LONG DTMF ON/OFF(ON)
ANY KEY ANSWER ON/OFF(ON)
1 MINUTE BEEP ON/OFF(OFF)
AUTOMATIC LOCK ON/OFF(OFF)
AUTOMATIC REDIAL ON/OFF
AUTOMATIC CALL TIME COUNTER ON/OFF(OFF)
AUTO ANSWER ON/OFF(OFF)
OUT-GOING CALL RESTRICTION OFF/7/11(OFF)
INCOMING CALL RESTRICTION ON/OFF(OFF)
MEMORY RESTRICTION ON/OFF(OFF)
SILENT SCRATCH PAD ON/OFF(OFF)

A) BACK-LIGHT : In the OFF mode, the backlight will never turn on except under incoming ringing. The default mode is AUTO mode. Backlighting turns on by pressing any key. It stays on for 8 seconds.
B) LONG DTMF : If option is set to ON mode, the DTMF signal will be transmitted when a key(s) is pressed.

C) ANY KEY ANSWER : If option is set to ON mode, you can answer incoming calls by pressing any key except the [PWR] key. If option is set off, you can only answer the call by pressing the [SEND] key.

D) 1 MINUTE BEEP : If option is set to ON mode, a beep is generated every 60 seconds during your conversation to indicate another minute of call time. In OFF mode, no beep is heard.

E) AUTOMATIC LOCK. : If option is set to ON mode, the phone will be locked whenever you turn the phone off and then on again. It must be unlocked by entering your three-digit lock code before the phone can be used for outgoing calls. (In the locked state, you can receive calls but not make calls)In the OFF mode, the phone can be used when turned on.

F) AUTOMATIC REDIAL : If option is set to ON mode, the phone will automatically redial any number called that is not connected. (busy cell site or out of service) It will perform this function 10 times before automatically stopping. In the OFF mode, you have to manually request the redial function.

G) AUTOMATIC CALL TIME COUNTER : If option is set to ON mode, the call time counter is displayed on the LCD during call of your conversation. In the OFF mode, the call time counter is never displayed on LCD.

H) AUTO ANSWER : If option is set to ON mode and a call is received, the phone will answer the call automatically after 2 rings. In the OFF mode, you must press the [SEND] key or any key in the [ANY KEY ANSWER] mode.

I) OUT-GOING CALL RESTRICTION : If option is set to 7, you can not dial numbers that are greater than 7 digits. If option is set to 11, you can not dial numbers that are greater than 11 digits. In off mode, you can dial any number.

J) INCOMING CALL RESTRICTION : If option is is set to ON mode, you can not receive an incoming call. If set to OFF mode, you can receive incoming calls.

7.4. SET THE STATUS OF TELEPHONE[FCN-4]

FUNCTION	DEFAULT		HOW TO USE
A. BACKLIGHT	AUTO	AUTO	Whenever you use the phone, the back-light will be lit up. But, if you don't touch any button for 10 seconds, it will turn the backlighting off.
		OFF	The back-light will never turn on except under incoming ringing.
B. SILENT ALT	OFF	ON	You can use this feature to enter scratch pad numbers during a call without transmitting the DTMF tones. You will hear the feedback tones but your called party will not.
		OFF	You can transmit the DTMF tones during a call.
C. MEM RSTRIC	OFF	ON	Repertory memory cannot be accessed
		OFF	You can access all repertory memories. (M1, STO, RCL, ONE and TWO touch..)
D. INC RSTRIC	OFF	ON	You can not receive an incoming calls.
		OFF	You can receive incoming calls.
E. OTG RSTRIC	OFF	OFF	You can dial any number.
		7	You can not dial numbers greater than 7 digits
		11	You can not dial numbers greater than 11 digits.

FUNCTION	DEFAULT		HOW TO USE
F. AUTO ANSWER	OFF	ON	When a call is received, the phone will answer the call automatically after 2 rings.
		OFF	You must press the [SEND] key or any key in the [ANY KEY ANSWER] mode to receive the call.
G. AUTO TIME	OFF	ON	The call time counter is displayed on the LCD during your conversation.
		OFF	The call time counter is never displayed on the LCD.
H. AUTO REDIAL	ON	ON	The phone will automatically redial any number called that is not connected. (busy cell site are out of service) It will perform this function 10 times before automatically stopping.
		OFF	You have to manually request the redial function.
I. AUTO LOCK	OFF	ON	The phone will be locked whenever you turn it on. It must be unlocked by entering your 3 digits un-lock code before you use it. (In the locked state, you can receive calls but not make calls.)
		OFF	The phone can be used when turned on.
J. 1 MIN BEEP	OFF	ON	A beep is generated every 60 seconds during convert-sation to indicate your talk time.
		OFF	No beep is heard.
K. ANY ANSWER	ON	ON	You can answer incoming calls by pressing any key except the [PWR] key.
		OFF	You can only answer the call by pressing the [SEND] key.
L. LONG DTMF	ON	ON	The long DTMF signal will be transmitted for as long as a key is pressed.
		OFF	The DTMF signal is transmitted for about 10 milleseconds, no matter how long a key is pressed.

K) MEMORY RESTRICTION : If option is set to ON mode, you can not access the repertory memory. (M1, STO, RCL, ONE and TOW TOUCH...)If set to OFF mode, you can access all repertory memories.

L) SILENT INCOMING CALLS : If this option is set to ON, the unit will give the user a visual alert by displaying call and illuminating the key pad.

Example

```
[FCN], [4]      : "LOCK#"
[LOCK CODE] : "ON"    "BACKLIGHT"
[▲]             : "ON"    "LONG DTMF"
[▲]             : "ON"    "ANY ANSWER"
[▲]             : "OFF"   "1 MIN BEEP"
[▲]             : "OFF"   "AUTO LOCK"
[RCL]           : "ON"    "AUTO LOCK"
[STO]/[CLR]
```

The above example shows the change of "AUTOMATIC LOCK" status. If you press the [STO] as last key stroke, above status is saved in memory. But if you press the [CLR] key, settings are not saved, and the original status is not changed. The set status will not be changed even when you turn off the telephone.

7.5. REVIEW OVERFLOW DIGITS[FCN-5]

In some cases, you will dial numbers greater than 15 digits in length. The MVX300 has 15 digit display LCD window. Thus the dialed numbers greater than 15 digits in length cannot be entirely displayed on the LCD. However, you can review the hidden digits of the keyed numbers by pressing the [FCN] and the [5] key.

7.6 REPROGRAMMING LOCK CODE[FCN-6]

☞ *Hint*

TO PROGRAM : [FCN]+[6]+[LOCK CODE]
[NEW LOCK CODE]
[NEW LOCK CODE]
TO CANCEL : [CLR]

You can change your lock code at any time. When you want to change your lock code, press the [FCN] and the [6] key and enter your current lock code. Then enter your new three digits lock code two times. If you want to abort the function during programming, press the [CLR]key.

✌ *Example*

[FCN], [6] : "LOCK#"
[LOCK CODE] : "NEW#"
[NEW LOCK CODE] : "VERF#" ****
[NEW LOCK CODE] : **** "LOCK IS CHANGED"

7.7. HORN ALERT ON/OFF (with Vehicle Adapter)[FCN-7]

☞ *Hint*

TO ACTIVATE : [FCN]+[7]
TO DEACTIVATE : [FCN]+[7]

✌ *Example*

[FCN], [7] : "HORN"
[FCN], [7] : Horn alert is turned off

☞ *Note*

Special installation is required for this function to work

☞ *Note*

When the MVX300 is in handheld mode, this feature does not work. The phone must be in the handsfree unit in order for this function to be programmable.

7.8. MONITORING[FCN-8]

☞ *Hint*

TO ACTIVATE : [FCN]+[8]
TO ESCAPE : [CLR]

✌ *Example*

[FCN], [8] (Standby state) : "04369" "0332 R086"
[CLR]

✌ *Example*

[FCN], [8] (conversation state) : "SI P0" "0009 R086" "INUSE"
[CLR] : "027450084" "INUSE"

☞ *Note*

You can display working states in standby mode and in conversation mode. The messages "04369", "0332", and R086 are SID, CONTROL CHANNEL NUMBER and RSSI respectively in standby mode. The messages "S!", "P0", "0009", "R086"and"INUSE" are SAT, POWER LEVEL 0, VOICE CHANNEL NUMBER, RSSI and INUSE INDICATOR respectively in conversation mode.

7.9. CALL TIMER[FCN-9]

☞ *Hint*

TO DISPLAY : [FCN]+[9]+[▲]or[▼] TO CLEAR TIME : [STO]+[LOCK CODE]

✌ *Example*

[FCN], [9]	: "CTIME"	"0000:02:45"
[▲]	: "1TIME"	"0001:22:44"
[▲]	: "2TIME"	"0000:33:55"
[▲]	: "CLEAR"	"CALL TIME"
[STO]	: "LOCK#"	
[LOCK CODE]	: "CTIME"	"IS CLEARED"
[CLR]		

The above example indicates that you were in conversation for 2 minutes 45 seconds for the last calling mode (CTIME). The total conversation time with NAM-1 is 1 hour 22 minutes 44 seconds(1TIME). The total conversation time with NAM-2 is 33 minutes 55 seconds(2TIME). To clear the time counters, press the [STO] key and enter your LOCK CODE. To clear the display, just press the [CLR] key.

✒ *Note*

This call air time counter does not mean billing time. But the time counter is useful to approximate the billing time. This call air time counter is activated when originating a call.

8. OPERATION HELP

☞ *Hint*

TO ACTIVATE : [FCN]+[FCN]+[▲] or [▼] TO ESCAPE : [CLR]

This feature is designed to help you with the operation of the phone except for the above menu operation. This feature allows you to view the other operational functions.

✌ *Example*

[FCN], [FCN]	: "FCN-0"	"SELECT SYS"
[▲]	: "FCN-1"	"LOCKING"
[▲]	: "FCN-2"	"VOICE MUTE"
[▲]	: "FCN-3"	"BATT LEVEL"
[▲]	: "FCN-4"	"SET STATUS"
[▲]	: "FCN-5"	"OVF REVIEW"
[▲]	: "FCN-6"	"PROGM LOCK"
[▲]	: "FCN-7"	"HORN MODE"
[▲]	: "FCN-8"	"MONITORING"
[▲]	: "FCN-9"	"CALL TIMER"
[▲]	: "FCN-*"	"ALPHA MODE"
[▲]	: "NAM12"	"RCL+#+VOL"
[▲]	: "LASTC"	"RCL+RCL"
[▲]	: "SCROL"	"RCL+VOL"
[▲]	: "CALLD"	"RCL+0+0"
[▲]	: "PAUSE"	"STO+#"
[▲]	: "VACAT"	"RCL+*+VOL"
[▲]	: "A-VOL"	"FCN+VOL"
[▲]	: "VACAT"	"RCL+*+VOL"

9. BATTERY CHARGING

9.1. CHARGING BY DESK-TOP CHARGER

The desk-top charger will completely recharge the slimline battery in 7 hours and the extended life battery in 14 hours, provided the phone is turned off. To operate, insert the output plug of the AC/DC adapter into the connector in the back of the desk-top charger Plug the AC/DC adapter into a power outlet. Then simply insert the battery into the desk-top charger. The LED light should illuminate indicating the charging function has begun.
The front slot of the desk-top charger accepts both the extended life and slimline batteries attached to the phone. the charger's rear slot accepts either size battery alone.

9.2. RAPID CHARGING BY VEHICLE CHARGER

The vehicle charger is designed to charge the battery rapidly in vehicle or out of the vehicle. The charger can recharge the battery only when it attached to the telephone. To operate in vehicle, insert the output plug of the cigarette lighter jack into the connector in the back of the vehicle charger. Plug the cigarette lighter into the vehicle's cigarette lighter socket. Then simply insert MVX300 with battery into the vehicle charger. The red LED should light up indicating the charging function has begun. When the green light is on, it indicates that the battery has been charged. Charging should be conducted at temperature of 0 to +45 degree. The charging time for a fully drained slim battery is approximately 150 minutes while the charging time for long life battery is 300 minutes.

To operate in any other location, insert the output plug of the AC/DC adapter into the connector in the vehicle charger. Plug the AC/DC adapter into a power outlet. Then simply insert the MVX300 with battery into the vehicle charger

If you try to charge the battery in very low or very high temperature, the yellow LED will be lit up and the procedure will be suspended. When the battery temperature is in the range(0–45) degree, the recharging will be started and the LED will light up.

☛ *Note*

Do not use AC/DC adapter other than one supplied because it may cause electrical damage to your charging system or the MVX300. Only use the AC/DC adapter provided with MVX300.

If you charge battery more than 16 hours continuously, the life time of battery may be reduced. So please do not charge battery longer than 16 hours. In case of slim line battery and extended battery, you can not charge batteries continuously. It is not advisable to charge battery longer than 24 hours.

If surrounding temperature is below +5° or higher than +40°, battery may not be charged.
So you should try to charge battery in the normal temperature.

If you charge and discharge the battery continuously, without reaching a full charge or discharge state, then the battery capacity will be reduced.

10. ACCESSORIES

10.1 HANDS FREE KIT (VEHICLE ADAPTER)

The MVX300 can be used with a handsfree kit so that you can operate the phone in your vehicle by using your vehicle's power supply. The handsfree kit provides you with unlimited talk time while power is being supplied by your vehicle and improves receiving and transmitting due to better RF signal strength created by using an external antenna.

The handsfree kit includes the following:

HANDSFREE ADAPTER
HANDSFREE MICROPHONE
POWER AND ANTENNA CABLES
HANDSFREE ADAPTER MOUNTING BRACKET

"Hands Free" means that you can have a conversation without holding the phone. But it is safer not to place a call while operating a vehicle.

When the handsfree kit is properly installed, you can operate the handsfree kit as follows:

A) Insert the connector of curly cord of hands free adapter to the button of the telephone.
B) Place the telephone in hands-free adapter.
C) When the car ignition is turned in, the phone is automatically turned on if the handsfree adapter is connected properly. (If you turn off the telephone by pressing the [PWR] key, the telephone does not turn on even though ignition is on. In this case, you have to press the [PWR] key to turn on the telephone)

D) The hands-free adapter has rapid charging capabilities. Connecting the phone to handsfree adapter, the red LED should light up indicating the charging function has begun. When a green light of charging state indicator is on, the battery has been charged. Charging should be conducted at temperature of 0 to +45 degree. The charging time for a fully drained slimline battery is approximately 3 hours while the charging time for extended life battery is 7 hours.(The feature of battery charger is equal to that of vehicle charger.)

E) While the phone is placed in the handsfree adapter all received audio and key tones will be heard through the handsfree adapter's speaker. The external microphone will be used to transmit the voice. At this time, the backlighting of the phone will remain on to indicate the phone is in handsfree mode.

F) When the telephone is picked up from the handsfree adapter , the voice of your party can only be heard from the internal speaker in the earpiece of the telephone and not from the speaker of the handsfree adapter.(In this case, battery charging is not available.)

Horn Alert

If the horn alert mode of the MVX300 special functions is selected, then the vehicles horn will sound whenever an incoming call is received. Also, when this function is set the phone will not be turned off even if ignition is turned off so that the vehicle horn will sound to inform you of an incoming call during your absence from your vehicle.

11. SUMMARY OF BASIC OPERATION

A. PLACING A CALL

Basic dialing	[NUMBER]+[SEND]
Repertory dialing	[RCL]+[01-60]+[SEND]
One touch dialing	[M1]
Super Speed dialing	[1-9] (Hold 0.5 seconds)
Two-touch dialing	[10-60] (Hold 0.5 seconds)

B. RECEIVING A CALL

Single key	[SEND]
Any key	ANY KEY EXCEPT [PWR] KEY
Auto answer	AUTOMATIC

C. ENDING A CALL

All calls	[END]

D. CLEARING DISPLAY

Clear last digit	[CLR]
Clear entire number	[CLR] (Hold 0.5 seconds)

E. ELECTRONIC LOCK

Locking	[FCN]+[1/LOCK] (Hold 0.5 seconds)
Unlocking	[LOCK CODE]
Changing lock code	[FCN]+[6]+[LOCK CODE]+[NEW LOCK CODE]+[NEW LOCK CODE]

F. REPERTORY MEMORY STORE (60 locations)

Any vacant location	[NUMBER]+[STO]+[*]
Specific numeric grouping	[NUMBER]+[STO]+[0-5]+[*]
Specific location	[NUMBER]+[STO]+[01-60]
ONE TOUCH location	[NUMBER]+[STO]+[M1]

G. ALPHA CHARACTER MEMORY STORE (Maximum 10 characters)

Procedure [NUMBER]+[FCN]+[*/ALPH]+[ALPHA CHARACTER]+[STO]+[01-60]

H. ALPHA MEMORY DIALING

Procedure [FCN]+[*/ALPH]+[ALPHA CHARACTER]+[SEND]

I. REVIEW VACANT MEMORY LOCATIONS

Procedure [RCL]+[*]+[▲] or [▼]

J. REVIEW STORED TELEPHONE NUMBERS

Procedure [RCL]+[01-60]+[▲] or [▼]

K. REVIEW LAST DIALED TELEPHONE NUMBER

Procedure [RCL]+[0]+[0]

L. REVIEW LAST 9 TRIED TELEPHONE NUMBERS

Procedure [RCL]+[RCL]+[▲] or [▼]

M. CHECKING OF BATTERY LEVEL

Procedure [FCN]+[3] (Hold Down key)

N. CHECKING CALL TIME COUNTER

Procedure [FCN]+[1]

O. BASIC FUNCTION SET

Procedure [FCN]+[4]+[LOCK CODE]+[▲] or [▼]+[RCL]+[STO]

P. CHANGING OF SERVICE SYSTEM

Procedure [FCN]+[0]+[▲] or [▼]+[STO]

Q. HELP DISPLAY

Procedure [FCN]+[FCN]+[▲] or [▼]

R. PAUSE DIALING

Procedure [NUMBER]+[STO]+[#]+[NUMBER TO TRANSMIT] [SEND]

S. RECALL OWN PHONE NUMBER(S) (NAMS)

Procedure [RCL]+[#]+[▲] or [▼]

12. SPECIFICATIONS

ITEM	SPECIFICATION
FREQUENCY	TX:824.040-848.970 MHz RX:869.040-893.970 MHz
CHANNEL SPACING	30KHz
RF CHANNELS	832 CHANNELS
TX/RX SEPARATION	45MHz
FREQUENCY STABILITY	-2.5 PPM to +2.5 PPM
RF POWER OUTPUT	0.6 WATT
MODULATION	DATA:PM VOICE:FM
RECEIVE SENSITIVITY	-116 dBm (12 dB SINAD)
SUPPLY VOLTAGE	DC 4.8V
OPERATING TEMPERATURE	-20 ℃ to +50 ℃
OPERATING TIME(SLIM BATTERY)	STANDBY TIME 10 HOURS TALK TIME 55 MINUTES
OPERATING TIME (EXTENDED LIFE BATTERY)	STANDBY TIME 26 HOURS TALK TIME 150 MINUTES
WEIGHT	114g(WITHOUT BATTERY) 199g(WITH SLIM BATTERY) 248g(WITH LONG-LIFE BATTERY)

12 MONTH LIMITED WARRANTY

AUDIOVOX 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).

The following items, if supplied, are similarly warranted from the date of purchase for 90 Days-Retractable antenna, transportable antenna, rechargeable battery-pack, desk-top charger, AC/DC adapter, cigarette lighter adapter, carrying bag and bag hardware, wrist strap, travel charger.

To obtain repairs or replacement withing 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 or an approved warranty station. For the nearest warranty station, please use the exclusive TRAVELERS WARRANTY SERVICE.

Call toll free to (800)229-1235[in NY State, (516)233-3410] for reference to an Authorized Warranty Station in your area.

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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