# Owner's Operating Instructions

## SP85 CELLULAR CAR TELEPHONE

**AUDIOVOX®**
*Cellular telephones*

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*Cellular telephones*

150 Marcus Blvd. Hauppauge, NY 11788

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# AUDIOVOX CELLULAR CAR TELEPHONE FOR BUSINESS ON THE MOVE

AUDIOVOX is a leader in the Cellular Car Telephone industry. The AUDIOVOX line features state of the art technology throughout. The newest entry into the market is AUDIOVOX's SP85. This 3rd generation phone features two exciting technological advance and the sleekest, slimmest styling to date.

The SP85 can be made into a tranportable phone with the addition of the optional accessory TCT−200. In the transportable mode the SP85 provides more standby time than previous models, making cellular communications even more convenient.

The styling of the SP85 is sleek and trim. Of course the SP85 features a mini transceiver. In addition, the SP85 cellular car telephone offers an outstanding array of features such as push button on-hook dialing that enables you to dial while the handset is in the cradle; repertory dialing that lets you store and recall up to 50 of your frequently called numbers; and last number redial that permits you to redial the last number you called at the touch of a single button (a great help when calling frequently busy phones). An electronic "scratch pad" allows you to enter a number into the unit while you are engaged in a conversation without writing it down; the number can be recalled later using the repertory dialing or last number redial features. The SP85 also has a call time display feature that automatically counts the time that your phone is in operation, and touch tone from memory that allows you to access discount long distance services, signal pagers or banking by phone.

AUDIOVOX has made the installation and maintenance of the Cellular Car Telephone simple. The small, sturdy, compact transceiver can be installed in one easy operation. A flexible mounting system allows the phone to be mounted where ever you want.

For all its high tech sophistication, the AUDIOVOX SP85 Cellular Car Telephone is surprisingly easy to use; you simply dial, no codes, no operators, no waiting, no hassle.

And the AUDIOVOX Cellular Car Telephone is no-nonsense, high quality instrument, rugged enough for off-road use as well as high speed freeway vibration.

The following pages, which describe the unit's functions and many of its components, will help you to make the easiest and most efficient use of AUDIOVOX SP85 Cellular Car Telephone.

# FEATURES AND OPTIONS

- Push Button Dialing
- Backlit Keypad and Display with ON/OFF Control
- Large Size Dot-matrix LCD Display
  Status/Function Indicator
  15 Digit Dial Number
  Receiving Signal Strength Indicator
- Pre-set Dialing up to 16 Digits (32 Digits: NAM OPTION)
- 16 Digit Extended Readability
- Last Digit Clear
- Digit Display Clear
- On-Hook Dialing
- Repertory Dialing: 16 Digit 50 Memories shared with Scratch pad Memory
- Repertory Memory Scroll
- Automatic Storing into the Vacant Memory Address
- Link Dialing
- Last Number Redial
- Automatic Redial (NAM OPTION)
- Last Number Review
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- Electronic Scratch Pad
- End-to-End Signaling
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- Call in Progress Protection
- Five Function Call Time Display
- Handsfree Operation (NAM OPTION)
- Horn Alert (NAM OPTION)
- Call in Absence Indicator
- Safety Timer
- Display Own Telephone Number
- Multiple A/B System Selection
- System Inhibit (NAM OPTION)
- RF Channel Indicator
- Electronic Lock
- Automatic Lock (NAM OPTION)
- Function Review
- Rear Seat Extention (OPTION)
- Flexible Mounting

   Touch Tone™ is the registered trade mark of AT&T.

# GENERAL SPECIFICATIONS

(subject to change without notice)

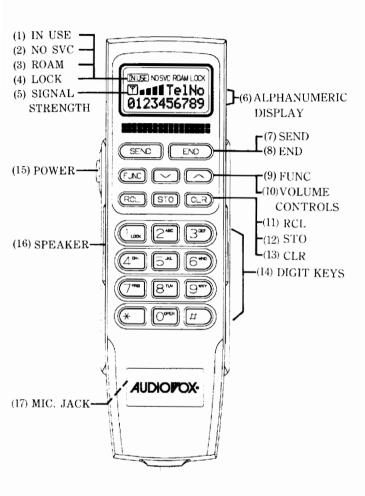| | |
|---|---|
| Frequency Range: | 824 to 849 MHz Transmit |
| | 869 to 894 MHz Receive |
| Number of RF Channels: | 832 Full Duplex |
| Channel Spacing: | 30 kHz |
| Duplex Spacing: | 45 MHz |
| Frequency Stability: | ±2.5 PPM |
| Oprating Temperature: | −30° to +60°C |
| Supply Voltage: | 13.7V DC, ±20%, Negative Ground |
| Current Drain: | approx. 1.5A in use, 0.2A standby |
| Size: | |
| Transceiver: | 30Hx200Wx160D[mm] |
| | 1.18Hx7.87Wx6.30D(inches) |
| Telephone Unit: | 61Hx60Wx200D(mm) |
| | 2.40Hx2.36Wx7.87D(inches) |
| Weight: | |
| Transceiver: | approx. 1.2 kg (2.64lbs) |
| Telephone unit: | approx. 0.4 kg (0.88lbs) |
| RF Power Output: | 3 watts (50 ohms) |
| Conducted Spurious: | 60 dB Below Carrier |

# TELEPHONE UNIT FUNCTIONS



(1) IN USE
(2) NO SVC
(3) ROAM
(4) LOCK
(5) SIGNAL STRENGTH

(6) ALPHANUMERIC DISPLAY

(7) SEND
(8) END

(15) POWER

(9) FUNC
(10) VOLUME CONTROLS
(11) RCL
(12) STO
(13) CLR

(16) SPEAKER

(14) DIGIT KEYS

(17) MIC. JACK

**AUDIOVOX**

(1) **IN USE** indicator lights when a call is in progress.
(2) **NO SVC** (no service) indicator lights when the unit is in a non-coverage area.
(3) **ROAM** indicator lights when the unit is out of the home area.
(4) **LOCK** indicator lights when the unit is locked.
(5) SIGNAL STRENGTH INDICATOR: The number of shaded blocks indicates the Receiving Signal Strength.
**Y** is also used as a POWER ON indicator which lights when the unit is turned on.

(6) 15 CHARACTER FUNCTIONAL ALPHA-NUMERIC DISPLAY:
First 5 characters usually indicate current function and status conditions.
The remaining 10 characters usually show the last 10 digits of the dialed number.
(7) **SEND** key for originating or receiving a call.
(8) **END** key terminates a call.
(9) **FUNC** (function) key shifts the digit keys to the functional key.
(10) **V**, **Λ** keys control Loudspeaker and Earpiece audio level as well as Alert tone.
**V**: Downward, **Λ**: Upward
(11) **RCL** (recall) key recall telephone numbers from memory and is also used as the FUNCTION KEY.
(12) **STO** (store) key stores number on the repertory dialing list in memory.
(13) **CLR** (clear) key clears the digit(s) from the memory.
(14) DIGIT KEYS to enter a telephone number.
(15) **POWER** switch controls power to the unit.
(16) Built-in Loudspeaker
(17) MICROPHONE JACK for HANDS-FREE

# BASIC OPERATION

## Turning the Unit On

With the ignition key at "ON" or "ACCESSORY", press the **POWER** switch. The indicator **Y** will light (all indicator will light momentarily and will show your telephone number, and a tone will be heard).

•Signal Strength Indicator

This enables you to know the Signal Strength in your area. The number of the shaded blocks indicates it, and four blocks is the maximum level. The display will vary as your car moves. If the signal is not strong enough to originate a call, **NO SVC** indicator will appear on the readout.

## To Store a Number in Memory

1. Press **CLR**, then enter telephone number.
2. Press **STO**, then enter the memory address (01 through 50).

Example:
Press [STO], key [1] then [5], the displayed
number will be stored into memory address 15.

## To Recall a Number from Memory

Press [RCL], then enter the memory address (01
through 50).
Example:
Press [RCL], key [1] then [5], the number stored
in memory location 15 will be displayed.

## If You Want to See the Prefix

(Number Longer than 10 digits)
After pressing [RCL], hold down the second digit of
the memory address.

## Last number Review

Press [RCL], key [0] then [0] again, the last number
in the display returns.

## Display Own Telephone Number

You can see your own telephone number on the
readout.
Press [RCL], key [*], then [*].

## Repertory Memory Scroll

This feature will be useful in finding a certain tele-
phone number by scrolling the repertory memory
from one of the designated starting addresses.

1. Press [RCL], key [X] then [#].
   [X] is the digit to assign the starting address as
   follows.

| X | Starting address |
|---|---|
| 0 | 01 |
| 1 | 11 |
| 2 | 21 |
| 3 | 31 |
| 4 | 41 |

2. Press [#] or [*].
   [#] : Scroll upward (with roll back to 01)
   [*] : Scroll downward (with roll to 50)
   Memory address and the last seven digits of the
   stored number will be displayed on the readout as
   follows.
   For example: [3][1][—][1][2][3][4][5][6][7]
   Address No.　Tel. No.

Note: In this scroll feature, any vacant memory
locations will be skipped.

## Automatic Storing into the Vacant Memory Address

This feature allows an automatic storing into the
vacant repertory memory address. This ends the
problem of writing over previous stored number.
1. Enter a telephone number.
2. Press [STO]
3. Enter the memory area which you want to store
   number.
   [0] :　　From 01 to 10
   [1] :　　From 11 to 20
   [2] :　　From 21 to 30
   [3] :　　From 31 to 40
   [4] :　　From 41 to 50
   [#] :　　From 01 to 50
4. Press [#]
   Then the memory address and the last seven
   digits of the stored telephone number will be
   displayed on the readout as follows.
   For example : [3][1][—][1][2][3][4][5][6][7]
   If there is no vacant address in the assigned area,
   telephone number will not be stored in the
   memory.

## To Lock the Unit

Press [FUNC], then the numeral [1] (LOCK).
The [LOCK] indicator lights. The unit will remain
locked until unlocked, even if the ignition switch is
turned off.

## Automatic Lock (NAM Option)

If you request it, your NAM can be changed and your
unit will automatically go into lock condition when
your ignition is turned "off". When the key is turned
"on", the unlock code is required to operate the
phone.

## To Unlock the Unit

Enter the three digit unlock code. The indicator will
go out when three digits are the same as the
resistered code in NAM.

## Backlighting Control

LCD display and the keypad will be backlit auto-
matically after the Switch-ON.

If needed, backlighting will be turned off by pressing RCL, * then 5.

Even the unit is in the Backlighting-OFF mode, for the duration of 10 seconds after any key operation and when a call is received, backlighting will be turned on again automatically.

To return to the Backlighting-ON mode, press RCL, * then 5 again.

## Volume Control

The audio level of the loud speaker, earpiece and the alert tone can be adjusted by the Volume Control Buttons (Λ and V).

• Loud Speaker: Leave the handset in cradle and
  To increase — Keep pressing Λ Button until you
    get the moderate sound level.
  To decrease — Keep pressing V Button until you
    get the moderate sound level.

  Sound level will be displayed on the readout digitally during the level adjustment and the sample tone will indicate the sound level when you are not engaged in a telephone conversation.
  Display format is as follows.
      SPK ☐ ☐ (1 to 10)

• Handset: Lift the handset and perform the same procedures as above.
  In this case, the display format is as follows.
      H.S ☐ ☐ (1 to 10)

• Alert Tone: Press RCL, key * then 6.
  Then adjust the alert tone level in the same manner as above. Your telephone will sound the associated alert tone level by ringing.
  In this case, the display format of the readout is as follows.
      ALT ☐ ☐ (1 to 5)

# PLACING TELEPHONE CALLS

## To Place a Call

1. Enter telephone number with the handset on-hook or off-hook. The last fifteen digits of the dialed number are displayed on the digital readout.
   Note: After 120 sec., display will return to the 10 digit display mode.

2. If a dialing error is made, press CLR, then enter the telephone number again. Pressing CLR momentarily (less than approx. 0.5 sec.) clears the last digit.

3. Press SND. Then IN USE indicator will light. You may lift the handset from the cradle either before or after the called party answers to proceed with your conversation.
   Note: If assigned in NAM, number can be pre-set up to 32 digits. However, in this case, it is necessary to confirm with the system operator whether such service is available.

## If the Call Fails to Go Through

1. If you hear the "reorder" signal, press END, then if there were no dialing errors, press SND for redial. (Digit key re-dialing is not necessary.)

2. If the "intercept" signal is heard, hang up, then redial the correct number.

## Automatic Redial (NAM Option)

If selected, your unit will automatically make five attempts to reach the cell site when the first try is not successful. The IN USE indicator will stay on, but the speaker will be muted for twenty seconds. This is done so you do not hear the reorder signals out of the speaker. If you wish to terminate the automatic redial, press END.

## Terminating a Call (Hanging Up)

Press END, or replace the handset in the cradle. The IN USE indicator will go out.
If Hands-free is activated in NAM, you have to press END key to terminate a call.

## To Receive Calls

1. When the telephone rings, lift the handset to answer. The IN USE indicator will light.

2. If the handset is out of the cradle when ringing starts, press $\boxed{\text{SND}}$ to answer a call.

## To Place a Call to a Number in the Memory

1. Press $\boxed{\text{RCL}}$, then enter the memory address (01 through 50). The last ten digits of the number will appear on the readout. If the number is longer than 10 digits, hold down the second digit of the memory address (after pressing $\boxed{\text{RCL}}$) to see the prefix.
   Also see Last Number Review Option.
2. Press $\boxed{\text{SND}}$. The $\boxed{\text{IN USE}}$ indicator will light as a call is placed. You may lift the handset from the cradle either before or after the called party answers to proceed with your conversation.

## To Mute Phone Conversation

1. Press $\boxed{\text{FUNC}}$, then $\boxed{8}$. The $\boxed{\text{Mute}}$ will appear on the readout. Then the transmit audio will be muted and the receive audio will be heard from the loudspeaker. You may converse privately with a passenger during a call with the handset either "on-hook" or "off-hook".
2. To return to normal conversation:
   When not in the Hands-free Mode,
      if "off-hook", press $\boxed{\text{FUNC}}$, then $\boxed{8}$ again.
      if "on-hook", lift the handset from the cradle.
   When in the Hands-free Mode,
      Press $\boxed{\text{FUNC}}$, then $\boxed{8}$ again, or lift the handset from the cradle.
3. Mute is reset when call is terminated.

## Call in Progress Protection

Phone conversation will continue after ignition is turned off until call is terminated.

# CALL RESTRICTION (NAM OPTION)

This feature permits you to impose various kinds of restrictions on Outgoing Calls.

## To Set Mode of Call Restriction

Enter three digit Security Code (assigned by NAM), then press $\boxed{\text{FUNC}}$, key $\boxed{\#}$ then $\boxed{7}$.
The following key operation is needed to activate one of the restriction modes;

$\boxed{1}$ : Only telephone numbers having 11 digits or less are accepted.

$\boxed{2}$ : Only telephone numbers having 7 digits or less are accepted.

$\boxed{3}$ : Operator assisted dialing (0 Origination) is prohibited.

$\boxed{4}$ : No phone calls can be placed except from repertory memory address 01 to 09.

$\boxed{0}$ : No restriction.

## To Exit Call Restriction Programming Mode

Press $\boxed{\text{FUNC}}$, then $\boxed{\text{CLR}}$.

Note.

(1) When in 4 mode, number storage into the memory will not be permitted.

(2) In the restriction mode, a short beep tone will be heard to inform you of the wrong operation, and the word $\boxed{\text{Restricted}}$ will be shown on the readout.

# HANDS-FREE OPERATION (NAM OPTION)

This feature permits you to engage in the conversation without lifting the handset.

1. After receiving a call (press $\boxed{\text{SND}}$ to answer), conduct the conversation via the hands-free external microphone and the loudspeaker in the cradle. To engage the conversation more naturally;
   a. Speak in a normal tone.
   b. It is preferable to turn-off the radio or stereo and close the car windows.
2. To originate a call, enter the telephone number, then press $\boxed{\text{SND}}$. The microphone will be turned on, ready for conversation when your party answers.
3. After a call is completed. Press $\boxed{\text{END}}$ to terminate a call.
   Note: 1. When this option is activated, as the unit always operates in Hands-free Mode, you should press $\boxed{\text{END}}$ to terminate a call.
   2. Even if this option is installed, you can of course engage the conversation via the handset, but you have to press $\boxed{\text{END}}$ to terminate a call.
   3. When you hear feedback on a bad RF Channel, adjust the hands-free loop attenuation as follows.
   (1) Press $\boxed{\text{FUNC}}$, key $\boxed{7}$ then $\boxed{2}$. hands-free loop attenuation will be increased by 6 dB.
   (2) To return to the normal condition, press $\boxed{\text{FUNC}}$, key $\boxed{7}$ then $\boxed{1}$.

# END to END SIGNALING

This feature permits you to utilize some additional services, such as accessing discounted long distance network, signal pager, or banking by phone e.t.c.
For these services the signaling should be in DTMF (Touch Tone™). The following features will make it easier to send DTMF codes.

## Touch Tone™ from Memory

DTMF signaling by repertory dialer is available while engaged in a telephone conversation.
1. Press $\boxed{\text{RCL}}$ $\boxed{\text{RCL}}$, then enter the repertory memory address (01 through 50).
   The last ten digits of the number will appear on the readout.
2. Press $\boxed{\text{SND}}$. Then DTMF signal will be sent and monitored through the loud speaker.

## Link Dialing

This feature permits you to pre-set from repertory memory or key pad up to five numbers before originating a call.
With this feature, the first number is sent in digial form to the cell-site. Then up to four other numbers can be sent with DTMF signaling by simply pressing $\boxed{\text{SND}}$ for each additional number.
Notes. (1) Each number to be linked may be recalled from memory or entered by key pad.
   (2) Each number to be linked should be within 16 digits including linking mark $\boxed{=}$ at the end.
   (3) Linked number can be stored in the memory. However, the total number of digits must be less than 16 digits.

Example : To access the Discounted Long Distance Call.

To access the discounted long distance call, you should call your Long Distance Service Office first, and enter your ID number, then the telephone number to be placed.

1. Recall the Telephone Number of the Long Distance Service Office.
   $\boxed{7}\boxed{4}\boxed{6}\boxed{3}\boxed{4}\boxed{7}\boxed{9}$
2. Press $\boxed{\text{FUNC}}$, then $\boxed{*}$.
   Linking mark " = " will be added at the end of the number, and $\boxed{\text{Link 1}}$ will appear in the display.
   $\boxed{7}\boxed{4}\boxed{6}\boxed{3}\boxed{4}\boxed{7}\boxed{9}\boxed{=}$
3. Recall your ID number.
   $\boxed{6}\boxed{7}\boxed{1}\boxed{4}\boxed{8}\boxed{5}\boxed{2}$
4. Press $\boxed{\text{FUNC}}$, then $\boxed{*}$.
   $\boxed{6}\boxed{7}\boxed{1}\boxed{4}\boxed{8}\boxed{5}\boxed{2}\boxed{=}$ and $\boxed{\text{Link 2}}$
5. Recall the telephone number to be called.
   $\boxed{1}\boxed{2}\boxed{3}\boxed{4}\boxed{5}\boxed{6}\boxed{7}\boxed{8}\boxed{9}\boxed{0}$
6. Press $\boxed{\text{SND}}$. The $\boxed{\text{INUSE}}$ indicator will light as the call is placed. $\boxed{\text{Link 1}}$ will appear in display.
7. After you received the signal from the Long Distance Service Office, press $\boxed{\text{SND}}$ again. The DTMF signal will be sent and your ID number will be monitored through the loud speaker. $\boxed{\text{Link 2}}$ will appear in display.
8. If your ID number is accepted, the Long Distance Service Office will signal again, so press $\boxed{\text{SND}}$.

Then the long distance number you are calling will be sent and the DTMF tone will be monitored through the loud speaker. | Link 3 | will appear in display.

# SCRATCH-PAD DIALING

This feature permits you to enter a number to be re-dialed (or stored in memory), while engaged in a conversation.

# SCRATCH-PAD DIALING WITH KEYING TONES OFF

This feature permits you to turn off DTMF so the keypad can be used without annoying tones.
1. Press | FUNC |, | 9 | then use the keypad. | TONE | will be displayed for 5 seconds. The Microphone circuit will remain active, but the tones will not be heard, or sent when the keys are pressed.
2. If necessary, press | STO |, then enter the memory address (01 through 50), to store numbers in memory.
3. To exit the TONE OFF mode, press | FUNC | then | 9 | again, or turn phone off.

# CALL TIME DISPLAY

This feature automatically records the elapsed time per conversation.
The talk time of the last call, cumulative talk time, and the number of calls can be displayed on the readout.
The timers can also be cleared if necessary. With beep tones you can be notified of the approximate talk time.(NAM Option)

## To Display the Talk Time of the Last Call
1. Press | RCL |, key | * | then | 1 |.
   The talk time of the last call will be displayed on the readout for 5 seconds.
   While in a conversation, the talk time of a call in progress will be displayed, and updated each second. This display format is as follows.

   | 1m25 |     ... 1 min and 25 sec

## To Display the Cumulative Talk Time
1. Press | RCL |, key | * | then | 2 |.
   The cumulative talk time willl be displayed on the readout in minute format for 5 seconds.

   | 18m |    ... 18 min

## To Display the Number of Calls
1. Press | RCL |, key | * | then | 3 |.
   The number of calls will be displayed on the readout for 5 seconds.
   The display format is as follows.

   | 86c |    ... Received or placed 86 calls.

## To Clear the Timer
1. Press | CLR |, then enter the three digit code specially assigned.
2. Press | STO |, key | * | then | 1 |.
   The timers will be cleared, and the count for the cumulative talk time and the number of calls will start from zero.

## One Minute Beep (NAM Option)

During conversation, you can be notified of talk time roughly by tones for the first five minutes. (every one minute you can hear a short monotone signal).

# A/B SYSTEM SELECTION

This feature permits you to select the system you wish to use. The system that you are registered with is the preferred system, and your home system.

1. Standard Mode
   When you turn the unit on, the unit remembers the last position of the A/B selector, and will start to scan the radio frequency channel of that selection.
   If you want to confirm the current mode, press
   FUNC, key 0 then 4. Status indicator shows the current mode.
   To return the unit to the standard mode, press
   FUNC, key 0 then 0, status indicator shows STD.
   The unit will scan the preferred system channels. If unable to find an acceptable preferred channel, the unit switches to scan the non-preferred channels.

2. Preferred System Only Mode
   Press FUNC, key 0 then 1. Status indicator shows PRF. The unit will scan the preferred system only and prevents switching over to the non-preferred system.

3. Non-preferred System Only Mode
   Press FUNC, key 0 then 3. Status indicator shows N-PRF. The unit will scan the non-preferred system only.

4. Home Only Mode
   Press FUNC, key 0 then 2. Status indicator shows Home. You can place or receive calls only within your home area.

Note 1: The ROAM indicator lights as follows.

   Lights continuously; When the unit is in the preferred system in another city.
   Flashes            ; When the unit is in the non-preferred system.

Note 2: The NO SVC indicator flashes when the mobile unit is requesting service but not in the requested service area.

# SYSTEM INHIBIT (NAM OPTION)

This feature permits you to select (by NAM Option), any interfering system, or Roam System you do not want to use, even when in that service area. NO SVC indicator flashes, if your A / B switch is selected to any system that is inhibited.

# RADIO FREQUENCY (RF) CHANNEL INDICATOR

If necessary, you can see the RF channel number in which your unit is operating.
1. Press RCL, key * then 4. The RF channel number in which your unit is operating will be displayed on the readout. The display format is as follows:

   | C 1 2 3 |            ...... 1 2 3 Channel

2. When on a call, the display will update when a handoff occurs.

3. Control channel displayed for 5 seconds.

# HORN ALERT (NAM OPTION)

1. Press FUNC, then key 2. The Horn will appear on the readout. Turn off the ignition switch, but leave the car telephone power switch ON. If necessary, lock the unit.

2. When a call is received, the unit will sound the horn (or flash the lights) five times, depending on how the horn alert wire has been connected to the car.

3. This mode is automatically deactivated when the ignition switch is turned to "on" or "accessory" positions, or, after 8 hours to prevent battery discharge.

# CALL IN ABSENCE INDICATOR

This feature indicates to you that a call came in while you were out of your car.

1. Before leaving the car, with the ignition switch on. Press FUNC, then 3. The display shows Call. Turn off the ignition switch, but leave the car telephone Power Switch ON. If necessary, lock the unit.
2. When a call is received, the unit indicates it by flashing the CALL display on the readout.
3. This mode is deactivated; but display remembers if a call has been received.
   "ON" or "ACCESSORY".
   2) After 8 hours, or
   3) By pressing FUNC, then 3 again.
4. The flashing CALL indication will remain in the display until you manually reset it by pressing any key in the handset or by lifting the handset.

# FUNCTION REVIEW

This feature tells you which numbered keys to use for different FUNC/RCL key functions.
To review the function menu;
   Press FUNC for about one second.
   Scroll the menu up or down, using the # or * key respectively.
The display information will appear as follows.

| DISPLAY | | FUNCTION |
|---|---|---|
| [Lock ] | [FUNC 1 ] | Lock |
| [Horn ] | [FUNC 2 ] | Horn |
| [Call ] | [FUNC 3 ] | Call in Absence Indicator |
| [HF ] | [FUNC 7 1—2] | Hands-free Adjustment |
| [Mute ] | [FUNC 8 ] | Mute |
| [Tone ] | [FUNC 9 ] | DTMF Tone Mute |
| [ABsys] | [FUNC 0 0—4] | A/B System Selection |
| [Timer] | [RCL × 1—3 ] | Call Timer |
| [RF CH] | [RCL × 4 ] | RF Channel Indication |
| [Light] | [RCL × 5 ] | Backlighting Control |
| [Alert] | [RCL × 6 ] | Alert Volume Control |
| [Restr] | [XYZ FUNC#7] | Call Restriction |

XYZ = security code

# IMPORTANT SAFETY INFORMATION

Please read and follow these cautions carefully:

**TURN OFF** your unit in an explosive atmosphere (near a fuel pump, blasting area, etc.)

**DO NOT** operate your unit when someone is within two feet (0.6 meter) of your antenna.

**DO NOT** dial when your vehicle is moving in those states where this action is illegal (this is not a prudent practice, even where it is legal).

**DO NOT** permit untrained personnel to operate the unit.

# WARNING

The following offenses can be punished by fine, imprisonment, or both:

•Using obscene, indecent, or profane language.

•Using the unit to give off false distress calls.

•Wiretapping or otherwise intercepting a telephone call, unless that person has first obtained the consent of the parties participating in the call.

•Making anonymous calls to annoy, harass, or molest other people.

•Charging to an account without authorization to avoid payment for service.

•Refusing to yield a party line when informed that it is needed for an emergency call. (It is also unlawful to take over a party line by stating falsely that it is needed for an emergency).