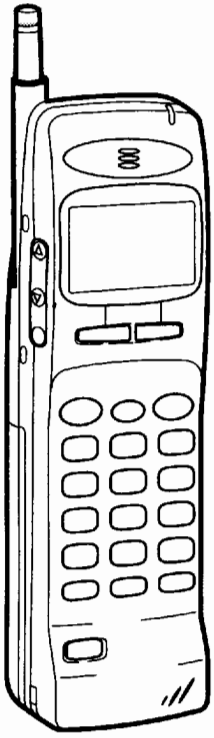
BAM-101 User Guide



Bell Atlantic Mobile

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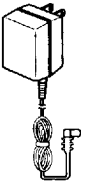
Check to make sure you have all the items that come with the phone.

Phone

Desktop charger

Battery pack

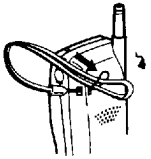
AC adaptor



Hand strap

Belt clip

Attaching the hand strap to the phone



Highlights

Congratulations on your purchase of the BAM-101 phone. It is an easy-to-use, reliable phone with many useful features including:

- Ultra light (5.9oz) CDMA-AMPS dual mode
- Standard one-size long-life battery
- Vibration call
- Line monitor function with built-in speaker
- Ringing tone selection from 36 types of ringing (3 usual-type tones and 9 Soft Ringer tones, with 3 patterns for each of the 12 tones)
- Large, easy-to-read, 4-line EL* backlit text display with an additional line for informative icons
- Hands-free headset jack
- 21-button lighted keypad
- Menu-driven interaction with prompts
- Inherent call privacy through CDMA encoding
- Any key answer, speed dial, auto redial, and 99 memory locations for phone numbers
- Advanced features such as short message service and caller ID
- Optional accessories

*EL: electro-luminescence

Important information

Caution

Any changes or modifications not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment.

Aftermarket Accessories

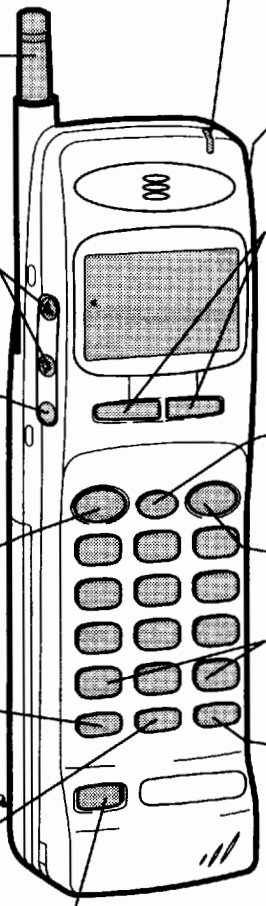
Read your Warranty carefully and be aware that many companics are making after-market accessories. Some of these products may not be compatible with your BAM 101 and may damage the unit or cause it to malfunction. If service is requircd on your unit and it is determined that an aftermarket accessory has created the problem, repair of the unit will not be covered under Warranty. To protect your Warranty, use only compatible accessories sold by Bell Atlantic Mobile, which will not damage or interfere with the functioning of your BAM-101.

FCC/IC Notice

The phone may cause TV or radio interference (i.e., when using the telephone in close proximity to receiving equipment). The FCC/IC can require you to stop using the telephone if such interference cannot be eliminated. If you need assistance, contact your local dealer.

This section includes drawings of the important phone parts and instructions on getting your phone powered up and ready to use.

Front and Side View of the Phone



Red light
Lights when power key is pressed and when there are incoming calls.
Flashes when the line monitor function is working and when there are messages.

Antenna

Hands-free headset jack
is used to connect your phone to the hands-free headset .

Soft keys
are used in context with the text display. The current operation of a Soft key is defined by the word above it on the display.

Volume/Scroll keys (▲)(▼)
are used to adjust the volume and scroll through the menus.

Monitor key (MON)
is used to hear other party's voice through the built-in speaker (line monitor function).

Message key (✉)
allows quick access to text and voice mail notification messages.

SEND key (SEND)
is used to place and receive calls and activate network features (i.e.,call waiting and three-way calling).

END key (END)
is used to end a call and/or return to standby display.

Scroll keys (✱)(#)
are used to scroll through the menu options and display.

INF key (INF)
is used to provide additional information about the call record or display and for added functionality.

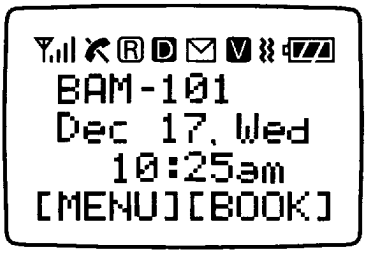
LOCK key (LOCK)
locks and unlocks the keypad.

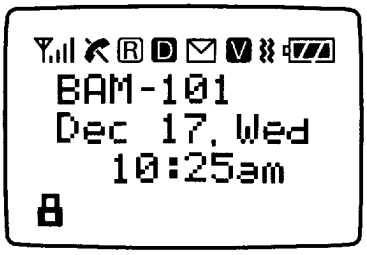
CLR key (CLR)
clears the digit and/or text from the display.

PWR key (PWR)
turns power on and off.

Display Indicators

The display indicators are located at the top of the display. Different indicators appear based on the phone's operating mode.





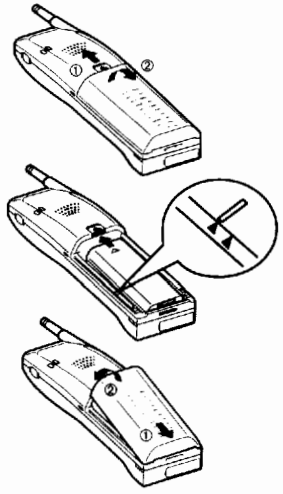
	Signal	Indicates the current signal strength. More lines means better signal strength.
	No service	The phone is not receiving a signal from the system.
	In use	A call is in progress.
	Roaming	The phone is outside of its home area.
	Digital indicator	Indicates that you are receiving a digital signal.
	Messages	There is a text message or page waiting.
	Vm	Voice mail notification message waiting.
	Vib	Indicates that alert is set to vibration.
	Battery	Indicates the battery charge level. The more black you see, the greater the charge.
	Pad lock	Indicates that the keypad is locked. The display shows it in the lower left corner.

Using the Battery

The phone comes with a rechargeable battery pack. The battery pack is shipped with approximately 30% capacity so you can use it immediately after purchasing the phone. Remember to charge the battery as soon as possible in order to maximize the talk time and standby time.

Installing the Battery

Remove the battery case before installing the battery.



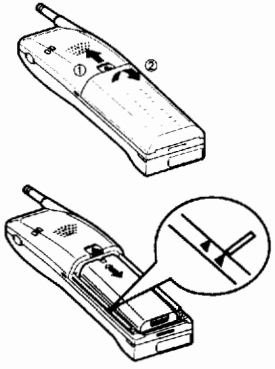
1. Press down on the battery release latch and remove the back cover.

2. Place the battery pack on to the guide and push it slightly up until the guide holds it. Adjust the marks (see the right picture).

3. Replace the back cover and press it down until you hear the click of the battery release latch.

Removing the Battery

1. Turn the power off; otherwise, you may lose stored numbers and messages.



2. Press down on the battery release latch and remove the back cover.

3. Slide the battery slightly down along the guide and lift the battery pack. Adjust the marks (see the right picture).

Turning the Phone ON and OFF

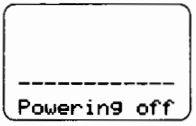
Turning On

Make sure that a charged battery pack has been fitted in the back of the phone or that you have external power (using the cigarette lighter adaptor or car kit).

Press (PWR) for a few seconds until the red light and LCD back light are lit.

Turning Off

Press (PWR) for a few seconds until the screen shows **"Powering off."**



Note

If (PWR) is pressed for less than 1 second, the phone will not turn off.

Antenna

Raise the antenna all the way up for best voice quality.

Charging the Battery

The battery charge level is shown at the top right of the display.

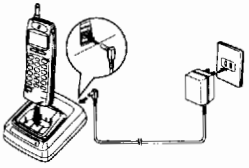
Fully Charged Very Low Almost Out

When the battery charge level becomes low, the low battery sensor will alert you by a message on the display and sounding an alert tone. If the battery level is too low, the phone will switch off and any function in progress will not be saved.

The battery may be charged by using the standard desktop charger, or travel charger, or cigarette lighter adaptor or car kit.

Warning: Only use the desktop charger and the AC adaptor provided with the phone. Using the wrong adaptor may cause damage.
Both the battery pack and the phone cannot be charged at the same time.

Using the Desktop Charger



1. Plug one end of the AC adaptor into the charger holder and the other end into a wall outlet.

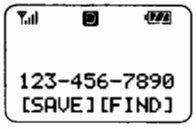
2. Insert either the battery pack alone or the phone with battery pack fitted into the slot of the charger. Make sure the red light is lit on the charger indicating the battery is being charged. A green light indicates a fully charged battery.

If completely discharged, the battery will charge in approximately 5 to 6 hours. If you leave the phone on while it is in the desktop charger, the battery will take longer to charge.
You do not need to completely discharge the battery before charging. Unlike other battery systems, like Ni-Cd or Ni-MH, there is no memory effect which could degrade the battery performance.

Making a Call

First, check that your phone is switched on. The display indicators should appear on the screen.

1. Enter the phone number.
   Example: 1234567890



2. Press (SEND). If the phone is locked, the number is restricted, or there is another problem, you will see a help message.

3. Press (END) to disconnect the call.

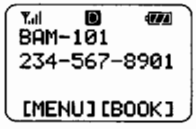
Correcting Dialing Mistakes

Press (CLR) to erase one digit at a time. Press and hold (CLR) for at least one second to delete all digits or letters.

Viewing Your Own Phone Number

You can see your phone's number by doing the following:

Press (INF).



Receiving Calls

Your phone must be switched on to receive calls.

Press any key (except (PWR) or the volume keys) to answer.

To disconnect the call:

Press (END).

Call Waiting

Your service provider may offer call waiting. When you are in the middle of a call, you may hear two beeps indicating another incoming call.

1. Press (SEND) to access the call.

2. Press (SEND) to toggle between the two callers.

Three-way Calling

Your service provider may offer three-way calling.

Press (SEND) to connect the three parties. See your service provider for more instructions.

Redialing Calls

Redialing the Last Outgoing Number

Press (SEND) to redial the last outgoing call if the phone has not been turned off since the last call.

Redialing the Last Ten Calls

You can redial any of your last ten calls through the outgoing call history list. See the Phone Book section.

Adjusting the Volume

The volume keys on the side of the phone can be used for the following functions:

- Adjusting the earpiece/built-in speaker volume when you are in the middle of a call
- Adjusting the ringer volume during ringing
- Scrolling through menu items when you are using the menus or phone book features

Note

For safety reasons, the ringer volume level is temporary set to minimum automatically during a call, except when using the hands-free car kit.

Emergency Dialing

You can place calls to 911 or one of the other three emergency numbers that are in your emergency number list even if your phone is locked or restricted. As long as you are receiving a signal strength indication, these numbers can be dialed.

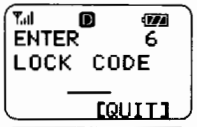
Making Emergency Calls

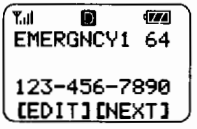
1. Press 9 1 1 or one of the other three emergency numbers.
2. Press (SEND).

Saving and Editing Emergency Numbers

You can save three other phone numbers (in addition to 911) that can be dialed even if the phone has been locked. To save these phone numbers:

1. Press the **Soft key** under [MENU].
2. Press 6 for the Security menu.
3. Enter the lock code "0000" or the last 4 digits of your phone number.
4. Press 4 for emergency numbers.
5. Press the **Soft key** under [EDIT] to change to the first emergency number.
   or
   Press the **Soft key** under [NEXT] to see the next emergency number.
6. Press the **Soft key** under [OK] to save the emergency number.





Signal Strength

The quality of the call depends on the signal strength in your area. The phone displays the current strength as a number of bars next to the signal strength icon; the more bars, the better the signal.

- : No signal being received
- : Weakest signal
- : Strongest signal

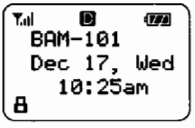
If the signal is poor, raise the antenna for best performance.

Power Save Mode

The power save mode will automatically turn on if the phone has not been able to get a sufficient signal from any base stations after 15 minutes of searching. While this feature is active, the phone's battery charge is conserved. The phone will automatically recheck for service periodically. To manually force the phone to recheck for service, press any key. Date and time are cleared from the display while rechecking for service. A message on the display will indicate when the phone is operating in the power save mode.

Keypad Lock

The keypad can be locked to prevent undesired/unexpected key input. Press the LOCK key for more than 1 second, the phone is locked and appears on the screen.



You can answer incoming calls even when the phone is locked if you press the LOCK key for more than 1 second (Auto answer does not work under this condition). Press the LOCK key or PWR key for more than 1 second, and the phone will be unlocked.

Line Monitor

You can monitor the other party's speaking/sound through the built-in speaker by pressing the MON key at the side of the phone for more than 1 second.
Press the MON key again for more than 1 second, and you can hear and speak by using the earpiece speaker and microphone of the phone normally.

Note

- You can only hear the other party's speaking/sound, microphone of the phone is mute when this feature is working.
- A red light flashes to notify that the line monitor function is in operation.

The Three Phone Book Types

There are three types of phone books: primary phone book memory, recent sent call history list, and recent received call history list.

Primary Phone Book Memory

The phone has 99 general use phone book memory locations where you can store entries of up to 32 digits with an associated name of up to 12 characters.

Recent Sent Call History List

The phone keeps a list of the last 10 calls you made or added. To get to the Call History list, press the **Soft key** under [BOOK], then press the **Soft key** under [CALLS], and finally press the **Soft key** under [TO #] and (*) or (#) to scroll through the list.

Recent Received Call History List

The phone keeps a list of the last 10 calls you accepted or missed. To get to the Call History list, press the **Soft key** under [BOOK], then press the **Soft key** under [CALLS], and finally press the **Soft key** under [FROM #] and (*) or (#) to scroll through the list.

Note

Depending on the operating mode and available features, each entry may contain the phone number, name, and time stamp (which indicates the time of call).
You may see one of the following entries:

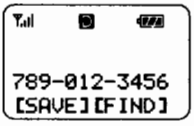
MISSED Indicates an unanswered incoming call.
CALLED BY Indicates a call you received and answered.
CALL TO Indicates a call you placed.
ADDED Indicates that the number was added by using the scratch pad feature.

- While viewing a call history entry, press (INF) to see any additional information available such as the time stamp.

Saving Numbers to Your Primary Phone Book

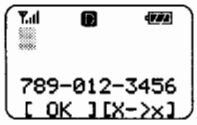
Memory locations 1 to 9 should be used for one touch dialling of the most frequently used phone numbers.

1. Enter the phone number that you want to save.
Example: 789-012-3456



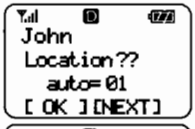
2. Press the **Soft key** under [SAVE].

3. Enter a name to go with a number.
If you want to enter a lower case letter, press the **Soft key** under [X->x]. You will see [x->X] for lower case entry.
For punctuation, press (INF).
(Refer to the **Punctuation Characters for Name Entry** on page E18)
Press the key labeled with the letter you want.
Pressing a key repeatedly will change the letter or number at the flashing cursor position on the screen.
When you have the correct letter or number in position on the screen, wait about 2 seconds for the cursor to automatically advance one space. Press (CLR) or (#:) to correct any mistakes.
Example: John
[J].....Press (5).
Press the **Soft key** under [X->x].
[o].....Press (6) three times.
[h].....Press (4) twice.
[n].....Press (6) twice.



4. Press the **Soft key** under [OK] to save the name and move to the next step.

5. Press the **Soft key** under [OK] to store the number in the first available storage location.
or
Enter a specific, 2-digit location number.



6. To make an entry secret, press the **Soft key** under [NEXT] and then the **Soft key** under [OK].
(Refer to **Making an Entry Secret** on page E19.)

Retrieving Numbers from Your Phone Book

Press the **Soft key** under [BOOK] to access the phone book.

Retrieving all Entnes From Manually Stored Memory Locations

1. Press the **Soft key** under [BOOK].
2. Press (*) or (#) to scroll through the memory list.
3. Press the **Soft key** under [VIEW] to see what is in that memory location.
4. Press the **Soft key** under [EDIT] or [ERASE] or press (SEND) to call.

Retrieving One Entry by Memory Location Number

1. Press the **Soft key** under [BOOK].
2. Enter the 2-digit memory location number.
   You will then see what is in that memory location.
3. If occupied, press (SEND) to call or press the **Soft key** under [EDIT] or [ERASE].

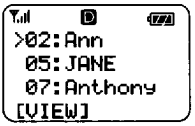
or

1. Enter the 2-digit memory location number.
   You will then see what is in that memory location.
2. Press the **Soft key** under [BOOK].
3. If occupied, press (SEND) to call or press the **Soft key** under [EDIT] or [ERASE].

Retrieving by Name Search

1. Press the **Soft key** under [BOOK].
2. Press the **Soft key** under [NAME].
3. Enter the letter(s) that you want to look for.
   At least two letters are recommended for a quick search.
   Example: Looking for Ann
   Press (2).
   Press (6) twice.

4. Press the **Soft key** under [FIND].
The phone then searches for names with those letters.
You will see a list of matches.



5. Press (*) or (#) to scroll through the list.

6. Press the **Soft key** under [VIEW].
or
Press (SEND) to call.

Retrieving the Recent Call History

1. Press the **Soft key** under [BOOK].

2. Press the **Soft key** under [CALLS].

3. Press the **Soft key** under [TO #] or [FROM #].

4. Press (*) or (#) to scroll through the last ten calls.

5. Press (SEND) to place a call.
or
Press the **Soft key** under [VIEW] to specify the call.

6. Press the **Soft key** under [SAVE] to save the number in a memory location.

If the number already has a name associated with it, it is already entered into a memory location.
While viewing an entry, press (INF) to see any additional information available such as the time stamp.

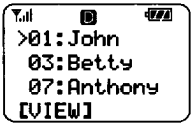
Retrieving by Part of a Phone Number

You can look for a phone number if you know part of that phone number.

1. Enter any three sequential digits from the phone number on the main screen.
Example: 456

2. Press the **Soft key** under [FIND].

3. If there is a match, press (*) or (#) to scroll to the desired entry.



4. Press the **Soft key** under [VIEW] to see the entry or (SEND) to place a call.

Changing Your Phone Book

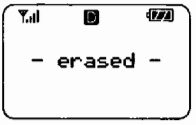
Erasing a Stored Entry

1. Press the **Soft key** under [BOOK]. Recall and view the memory location.

2. Press the **Soft key** under [ERASE]. This will erase the name and number from the memory location leaving it free for a future entry.

3. Press the **Soft key** under [OK].

4. "-erased-" will flash on the display to confirm that the entry has been erased.



Editing a Stored Entry

1. Recall the memory location.

2. Press the **Soft key** under [EDIT] and then the **Soft key** under [OK].

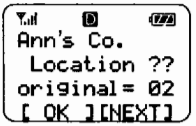
3. Edit the name by using (*) or (#), the digit keys, and (CLR).

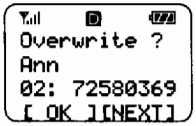
4. Press the **Soft key** under [OK].

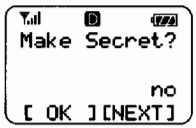
5. Press the **Soft key** under [OK]. You are then prompted for a memory location.

6. Press the **Soft key** under [OK] to use the memory location listed or enter a new memory location.

7. Press the **Soft key** under [OK] to finish the editing process and store as a non-secret entry.







Dialing Numbers from Your Phone Book

You can make a call by using any memory location other either by speed dialing from the list or by pressing (SEND) while viewing the full contents of the memory location.

Speed Dialing

You can quickly dial numbers that are saved in your phone book memory.

1. Press the key(s) that correspond to the numeric memory location. For instance, for memory location 11, press [1], [1].

2. Press (SEND). The phone will find the telephone number in its phone book, display it on the screen, and then dial it.

One-touch Dialing

One-touch dialing enables you to dial a phone book entry by pressing only one key (for locations 1 to 9) or two keys (for locations 10 to 99).
You can turn one-touch dialing on through the "One-Touch" item under the "Feature" menu.
From the main screen, for memory locations 1 to 9:
Press and hold the appropriate key for at least one second.

For locations 10 to 99:

1. Press for the first digit.

2. Press and hold the key for the second digit.

Dialing from a Memory List

1. Press the **Soft key** under [BOOK].

2. Press [*] or [#] to go to the memory location you want.

3. Press (SEND).

Dialing from within a Memory Location

While viewing any memory location, press (SEND).

Advanced Phone Book Features

Pause Feature

When you call an automated system (such as a voice mail or credit card billing number), you often have to enter a series of numbers. Instead of entering the numbers by hand, you can store the numbers in your phone book separated by special characters called pauses. There are two kinds of pauses:

- Hard Pauses -You have to press the **Soft key** under [RESUME] to go to the next number.
- Timed Pauses -The phone will send the next set of numbers after two seconds. Each additional timed pause will add two more seconds to the pause length.

Storing a Number with Pauses

1. Enter the number.
2. Press (INF).
3. Press (1) for a Hard Pause or press (2) for a Time Pause.

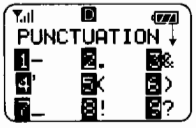
4. Enter additional numbers (for example, pin number, credit card number).
5. Press the **Soft key** under [SAVE].

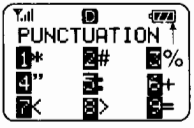
Note

You can press 3 for a hyphen. Hyphens are used for appearance only, and the phone will dial the number without any delays.

Punctuation Characters for Name Entry

1. Press (INF) during the "Enter Name" step. You will see a list of characters.
2. Press the (*) or (#) to see the other nine characters that you may choose from.
3. Press the number next to the character that you want.
4. Continue entering the name.





Case Changing During Name Entry

When entering a name, you can use both upper- and lower- case letters.

1. Press the **Soft key** under [X->x] to change the case.
   [X->x] : upper-case letters
   [x->X] : lower-case letters

2. Enter the letters.

"Prepending" a Stored Number

"Prepending" is used if you are away from your local area and need to add the area code to an existing phone book number. When a phone book entry, call history entry, or message callback number shows up on the display, you can make additions to the beginning of the original number. However, you cannot edit the original number during a "prepend."

To "prepend" a number:

1. Recall the number from the memory.

2. Press the digits required. Digits entered will be inserted before the recalled number.

3. Press (SEND) to dial the new, longer number.

Making an Entry Secret

You can set a memory location to "secret" (which hides the phone number and only displays the name). If you do not enter a name to go with the number, you will see the word "secret" in any memory displays or lists. "Secret" memory locations can only be deleted, not edited.

Main Menu

This section describes the various menu items. An arrow to the right of the title indicates if there is more information before (↑) or after (↓) that particular number. The main menu looks like this:

The menus allow you to check or change the phone's various features and settings. You can see the different menus by using either the menu access method or the shortcut menu access method.

Menu Access Method

1. Press the **Soft key** under [MENU].
2. Press (*) or (#) or the volume keys to step forward or backward through the list of features.
3. Press (CLR) to go back one step.
4. Press the number corresponding to the menu item that you want to select.
5. Press the **Soft key** under [NEXT].
   or
   Press (*) or (#) to cycle through the possible settings. A check mark indicates the current option selected.
6. Press the **Soft key** under [OK] to save the setting.
7. Press (END) to cancel without saving.

Shortcut Menu Access Method

Each menu feature can also be quickly accessed by pressing the **Soft key** under [MENU] and the numbers on the desired menu screen. For example, pressing the **Soft key** under [MENU] and then 1, will display the ringer volume setting (see the next page).

Menu Item Descriptions

1 Volume

This allows you to adjust the ringer, key beep, and earpiece volume.

1 Ringer volume — Adjust the ringer and new message alert with the (*), (#) or **Volume keys** or with the **Soft key** under [NEXT]. You can also adjust the ringer volume by pressing the **Volume keys** while the phone is in standby or is ringing. Possible settings: silent, low, medium, medium-high, high.

2 Key beep volume — Adjust the key beep volume (the sound that phone makes when the volume keys are pressed) with the (*), (#) or **Volume keys** or with the **Soft key** under [NEXT]. Possible settings: silent, low, medium, medium-high, high.

3 Earpiece volume — Adjust the earpiece volume with the (*), (#) or **Volume keys** or with the **Soft key** under [NEXT]. You can also adjust this during a call by pressing only the **Volume keys**. Possible settings: low, medium, medium-high, high.

2 Display

This allows you to choose what you see on the display.

1 Back light — Choose the setting of the LCD and keypad back lighting. Possible settings are "always on", "always off", "10 seconds", "30 seconds" or "on when key lock off". "10 seconds" setting turns the back light off 10 seconds after the last key was pressed. The "30 seconds" setting waits 30 seconds after the last key was pressed.
For the 10 and 30 seconds options, back lighting will not turn on if the key lock is on. The "on when key lock off" setting causes the back light to be turned on only when the key lock is off. The "always on" setting means that the back light is always on whether the key lock is on or off. Choosing "always on" significantly increases the battery drain. The "always off" setting means that the back light is off except when power is turned.

2 Banner — Banner enables you to personalize your phone by displaying your name, for example, enter the banner (up to 12 characters) that will be displayed on the top line when the phone is turned on and when it is in standby. Press the **Soft key** under [EDIT] to make changes to the existing banner. Enter the characters the same way as you do for the phone book.

3 Show time — Choose whether to display the date and time. Possible settings: "if avail." and "no". The date and time is provided by the network.

4 Auto Hyphen — Possible settings are "on" and "off." When on, it automatically inserts hyphens to be consistent with U.S. phone numbers.

3 System

This allows you to set some of the cellular network settings.

1 Select

- Standard: Search Home first, then A and then B.
- A only: Utilize A only.
- B only: Utilize B only.
- Home only: Utilize Home only.
- E Roam: Utilize Extended Roaming List.

2 Set NAM — Select the phone's NAM (Number Assignment Module) if the phone is registered with multiple service providers.

3 Auto NAM — This allows the phone to automatically switch to one of the programmed NAMs if it is operating in the corresponding service provider area.

4 Force Call — Temporary setting and use of an analog network.

4 Alerts

1 Fade — Set an alert to inform you when you have lost a call or lose service. Possible settings : "on" and "off."

2 Minute — Set the minute reminder to beep every 10 seconds before the minute during a call.

3 Service — Set an alert to beep when a network service parameter changes. For example, if the service alert is set to "on", the phone will sound an audible alert when it begins roaming.

4 Connect — Set an alert to inform you when a call originated by you is connected to the network system at a base station. Possible setting: "on" and "off."

Caution: DO NOT place the BAM-101 close to your ear when "Connect Alert" is selected. YOU COULD DAMAGE YOUR EAR.

Note

The phone will sound an audible alert (same as Service Alert) when it begins calling with blinking "ConnectAltON" on the display.

5 Ringer Type — Set an alert for a call ringer or vibration to notify its reception. Possible settings: "ringer" and "vibrator". When vibrator is set, the icon for its setting " ⁞⁞ " appears on the screen.

6 Ringer Tone — Your phone includes 3 usual ringer tones and 9 additional Softer Ringer tones similar to bells, musical instruments, birds, etc. with a softer volume level. Select and set the type of ringer tone from 1 to 12 by pressing the number key(s), scroll keys, "[*]" or "[#]" or the **Soft key** under [NEXT] then press the **Soft key** under [OK] and select its ringing pattern in the same way in sequence.

7 Message — Set an alert to inform you about a new incoming message. Alert Possible settings: "on", "on + remind", "off", "air + remind".

5 Call Information

1 Last Call — Displays the duration of the last call in minutes and seconds.

2 Home Calls — Displays the total number of calls and time (minutes and seconds) of all calls made in the home area since last reset. Press the **Soft Key** under [ZERO] to reset.

3 Roam Calls — Displays the total number of calls and time (minutes and seconds) of calls made while roaming. Press the **Soft key** under [ZERO] to reset.

4 All Calls — Displays the total number of calls and time (minutes and seconds) of calls made in the home area and while roaming. This is NOT resettable.

6 Security

You must enter the lock code to see what is in the security menu. Typical default values are either the last 4 digits of your phone number or "0000".

1 Lock Mode — Locks the phone from use. Possible settings: "on power up", "now", "never." The "now" setting immediately locks the phone when selected. "On power up" locks the phone when the power is turned on. "Never" means that the phone is never locked. When locked, you can only make emergency calls (see page E10) or receive incoming calls. All other functions of the phone are disabled. If you forget your lock code, please call your service provider for help.

2 Restrict — Sets phone use restrictions to "yes" or "no". If set to "yes", you can only make calls to emergency numbers and from phone book memory locations 1 to 9. You can also receive all calls in this mode.

3 New Code — Enters a new four-digit lock code number.

4 Emergency — Enters three emergency numbers. You can call these numbers and 911 number even when the phone is locked or restricted. If dialing the number, it must exactly match one of these programmed numbers for it to override the lock and restriction settings.

5 Clear Calls — Clears the call history list. Possible settings: "no", "all", "TO #", "FROM #".

6 Clear Messages — Clears the Text Message List.

7 Send PIN Your service provider may require you to enter a PIN when placing a call. This feature is set to "prompt" you to send a PIN when the call is placed. Press the **Soft key** under [YES] to send the PIN (which is the same number as your four-digit lock code).
Press the **Soft key** under [NO] or nothing if you do not want to send the PIN. Set this option to "never" if your service provide does not require you to enter a PIN when placing a call.

7 Other Features

1 Auto Answer Selects the number of rings before the phone automatically answers a call. Possible settings: "after 5 rings," "after 3 rings," "after 1 ring," and "off." This feature is most commonly used with the car kit.

2 Auto Retry Sets the length of time the phone waits before automatically redialing a number when the system is busy. Possible settings: "every 10 seconds," "every 30 seconds," "every 60 seconds," and "off."

3 Scratch Pad Stores phone numbers during a call. These numbers are added to the call history.

4 Mute Switchs the microphone on and off while in a call. When the microphone is off, the other party cannot hear you.

5 Key Beep Sets the key beep plays back length. Possible settings: "long" and "normal."

6 One-touch Enables / disables one-touch phone book memory dialing. Possible settings: "enable" and "disable."

7 Privacy Sets the voice privacy feature for CDMA calls. Possible settings: "enhanced" and "standard." CDMA offers inherent voice privacy. Check with your service provider for availability of the enhanced voice privacy mode. During a call, if active, you will see an inverse "P" on the same line as the call time.

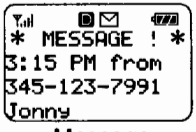
This feature allows your phone to receive messages when it is turned on. A single key (✉) allows you to access your messages, while a four-line display provides for easy viewing.
Messages are stored in the phone's memory and are not erased when the phone is turned off. The phone has the capability of storing up to 2,400 characters of messages. However, the number of messages that can be stored will be reduced if the messages are greater than 40 characters.

Note
Check with your service provider regarding the availability of this feature. The information contained in a message, such as a time stamp and callback number, depends on the mode the phone is operating in and the service provider's network capabilities.

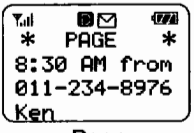
This phone supports three types of messages:
Message ✉ : typically contains text
Page ✉ : typically contains digits
Voice Mail V : used to call voice mail

New Message Alert

The phone will notify you of a new message by flashing ✉ icon and red light, accompanied by five short beeps or vibrations. The first line indicates the type and priority. If the message is urgent, the message type is flanked by asterisks (*) and followed by an exclamation mark (!). If you press any key, this display disappears, and the ✉ icon stops flashing. The ✉ icon remains displayed as long as there are unread messages. The red light will continue to flash and a reminder beep will occur every two minutes until the new message is acknowledged.



Message



Page

Voice Mail

Viewing Pages and Messages

These messages may consist of a time stamp, a callback number, a name (If the callback number matches a phone number stored in a memory location), and text. They are accessed as text-type messages as shown below.

Reading New Messages

1. Press the (✉). The display will then show the number of new messages.

2. Press the **Soft key** under [TEXT]. You will see the messages in the order they were received except for all urgent messages, which will be displayed first. Messages will automatically scroll page by page. To manually scroll through the message line by line, press (✱) or (#). At the end of the message, the **Soft key** options will be [ERASE] and [NEXT].

3. Press the **Soft key** under [ERASE] to erase the message and go to the next message.
   or
   Press the **Soft key** under [NEXT] to keep the message in memory and go to the next message.

4. Press (SEND) to view the callback number provided in the message.

5. Press (SEND) again to place a call to the callback number.

Note

When there are no new messages, the phone will display a list of previously saved messages.
When viewing a callback number (by pressing (SEND) from the message), you can save the number in your phone book memory by pressing the **Soft key** under [SAVE]. However, the number will be already saved in your phone book if there is a name displayed on the line above the callback number. If you do save the callback number, then you will be returned to the callback number screen.
Pressing (SEND) (or prepending the number with an area code and pressing (SEND)) will place a call.

Reading Previous Messages

1. Press (✉).

2. Press the **Soft key** under [TEXT]. This displays the list of previous messages. Each line will show the first 11 characters of the messages.

3. Press (*) or (#) to select a message.

4. Press the **Soft key** under [ERASE]. This erases the message and goes to the next message.
   or
   Press the **Soft key** under [VIEW]. This lets you view the message.

5. While viewing a message or with the arrow pointing to the desired message, you can press (SEND) to view the included callback number, if provided. After you have seen the callback number on the display, press (SEND) again to place the call.

6. Press the **Soft key** under [QUIT]. This brings you back to the list of previous messages.

Note

When reading a new or previous message, you can press (INF) to view its priority. After you have seen the priority on the display, you can choose it by pressing the **Soft Key** under [NEXT], and then you can set it by pressing the **Soft Key** under [OK]. Possible settings: "normal", "urgent", "protect".

Voice Mail Notifications

Voice mail notification indicates the number of new voice mail messages in your mailbox. Only the most recent voice mail notification will be stored in the phone; previous messages will be overwritten. You must call your voice mail service to retrieve these messages.

Getting Voice Mail Notification Messages

1. Press (✉).
   The on-screen text will indicate the number of new voice mail messages, if any.

2. Press the **Soft key** under [VOICE] to view the callback number provided in the message, if attached.

3. Press (SEND) to place a call to the callback number. If the callback number is not attached, it will place a call to the Voice Mail Center number which the service provider has pre-programmed.

4. Listen for a connection to your voice mail system.

Note

Your service provider will deactivate the ✉ icon when there are no new voice mail messages (or no new text messages).
The prompt mark indicates the list of old messages. ">" indicates a normal message, ">>" indicates an urgent message, "🔒" indicates that the message is protected from being erased.

Low Memory Warning

The phone will alert you when the amount of available message memory is less than 25%. Although the phone can still receive new messages, you should erase messages you no longer need to avoid running out of memory.

Out of Memory Warning

When the phone has no more available message memory, it can no longer accept new messages. When this occurs, the phone will display an "Out of Memory" message.

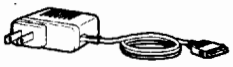
Accessories

There are a variety of accessories available for the phone. You can select these options according to your personal requirements.

Cigarette Lighter Charger

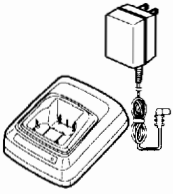
You can operate the phone and charge the phone's battery from your vehicle by using the cigarette lighter charger, model 101CLCSYB. You will see a red light while charging. It takes about 1.5 hours to charge a completely discharged battery. When the battery is fully charged, the red light changes to green.

Travel Charger



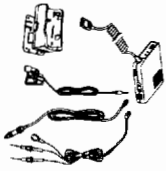
The travel charger: model 101TVLSYB is the light weight / compact sige charger. It takes 4 to 5 hours to charger a complelely discharged battery fitted in the BAM-101 Handset.

Desktop Charger



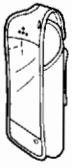
The desktop charger, model 101DTCSY, comes as standard with all BAM-101 phones, but may also be purchased separately. It is capable of charging the battery alone or when fitted in the phone and needs a standard U.S. 120 Volt, 60 Hz outlet. It takes 5 to 6 hours to charge a completely discharged battery. This charger consists of an AC adaptor and charging holder.

Hands-free Car Kit



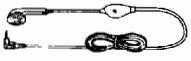
The car kit, model 101HFKSY, is powered through the cigarette lighter plug and can be easily installed,enabling you to attach the phone to the car and providing you with hands-free operation. It will also charge a completely discharged battery in 4 to 5 hours.

Leather Carrying Case



The leather carrying case, model 101CASSYB, protects the phone while still enabling you to use most of the functions.

Hands-free Headset



The headset, model EM425, enables you to use your phone hands-free. Connect the headset plug into the jack, and put the earphone in your ear. While the headset is connected to the jack, all received audio will be heard through the earphone, and the microphone will pick up your voice to transmit.

Battery Pack

The battery pack, model 101XTLSYB, is charged to approximately 30% capacity when shipped, so you can use it immediately after purchasing the phone. Remember to charge the battery as soon as possible to maximize the talk time and standby time.

Background

The CDMA hand-held portable 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, etc.

Your telephone is a radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) energy. The phone operates in the frequency range of 824 MHz to 894 MHz. When you use your phone, the system handling your call controls the power level at which your phone transmits. The power level can range from 0.006 watt to 0.3 watt.

Exposure to Radio Frequency Energy

In 1991, the Institute of Electrical and Electronics Engineers (IEEE), and in 1992, the American National Standards Institute (ANSI) updated the 1982 ANSI standard for safety levels with respect to human exposure to RF energy. Over 120 scientists, engineers, and physicians from universities, government health agencies, and industry, after reviewing the available body of research, developed this updated standard.

The design of the BAM-101 phone complies with this updated standard. Of course, if you want to limit RF exposure even further than the updated ANSI standard, you may choose to control the duration of your calls and operate your phone in the most power efficient manner.

For Best Performance

To properly operate the phone and maintain safe and satisfactory service, follow these rules.

- Extend the antenna fully.
- Hold the phone with the antenna up and over your shoulder.
- Do not hold the phone antenna at any time.
- Speak directly into the mouth piece.
- Use the phone when the car is stopped.

Avoid exposing the phone and accessories to rain or liquid spills. If the phone gets wet, turn the power off immediately and remove the battery pack. If the phone is inoperable, then return it to the dealer for service.

Only authorized personnel should assemble or service the phone and its accessories. Faulty assembly or service may be dangerous and may invalidate the warranty.

Caring for the Battery

For best battery performance, follow these guidelines:

- Only use battery pack 101XTLSYB and charger 101DTCSY or 101TVLSYB or 101CLCSYB or 101HFKSY.
  Do not use any other battery pack or charger. The 101DTCSY, 101TVLSYB, 101CLCSYB and 101NFKSY are designed to maximize the battery life and performance.
- Do not charge the battery pack in temperatures outside the range of 32 °F to 122 °F (0 °C to 50 °C) because damage could occur.
- Do not use the battery charger in direct sunlight or in places with high humidity such as a bathroom.
- Never dispose of the battery pack in a fire.
- Keep the metal contacts at the end of the battery pack clean.
- Do not attempt to disassemble or short circuit the battery pack.
- You may need to recharge the battery if it has not been used for a long time.
- Replace the battery when it no longer provides acceptable performance. The battery pack may be recharged hundreds of times before it will need to be replaced.
- Do not store the battery for long periods in places where high temperatures frequently occur. Follow these storage rules:
  Less than 1 month: -4 °F to 140 °F (-20 °C to 60 °C)
  More than 1 month: -4 °F to 113 °F (-20 °C to 45 °C)

Driving Safety

Talking on the phone while driving is extremely dangerous and is illegal in some states. Remember, safety comes first.
Check the laws and regulations on the use of cellular phones in the area where you drive. Always obey them.

When using the phone in the car:

- Give full attention to driving.
- Use hands-free operation.
- Pull off the road and park before making or answering a call.

If you must use the phone while driving, please use the one-touch, speed dialing, and auto answer modes.

FAILURE TO FOLLOW THESE INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

Other Safety Guidelines

For the safe and efficient operation of your phone, observe the following guidelines. Remember to follow any special regulations in force in any given area. Always turn off the phone wherever its use is forbidden or when it may cause interference or danger.

Electronic Devices

Most modern electronic equipment is shielded from RF energy. However, RF energy from cellular telephones may affect inadequately shielded electronic equipment.
RF energy may affect improperly installed or inadequately shielded electronic operating and entertainment systems in motor vehicles. Check with the manufacture or representative to determine if these systems are adequately shielded from RF energy.

You should also check with the manufacturer of any equipment that has been added to your vehicle.
Consult the manufacturer of any personal medical devices (such as pacemakers, hearing aids, etc.) to determine if they are adequately shielded from external RF energy.

Turn off the phone in health care facilities and request permission before using the phone near medical equipment.

Aircraft

Turn the phone off before boarding any aircraft. Use it on the ground only with crew permission. Do not use it in the air. To prevent possible interference with aircraft systems, U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground. To prevent interference with the aircraft's systems, FCC regulations prohibit using your phone while the plane is in the air.

Children

Do not allow children to play with your phone. It is not a toy. Children could hurt themselves or others (by poking themselves or others in the eye with the antenna for example). Children could also damage the phone or make calls that increase your telephone bills.

Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in an area posted: "Turn off two-way radio." Construction crews often use remote control RF devices to set off explosives.

Potentially Explosive Atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with potentially explosive atmospheres are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; 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.

Do not transport or store flammable gas, liquid, or explosives in the compartment of your vehicle which contains your phone or accessories.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Division.

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