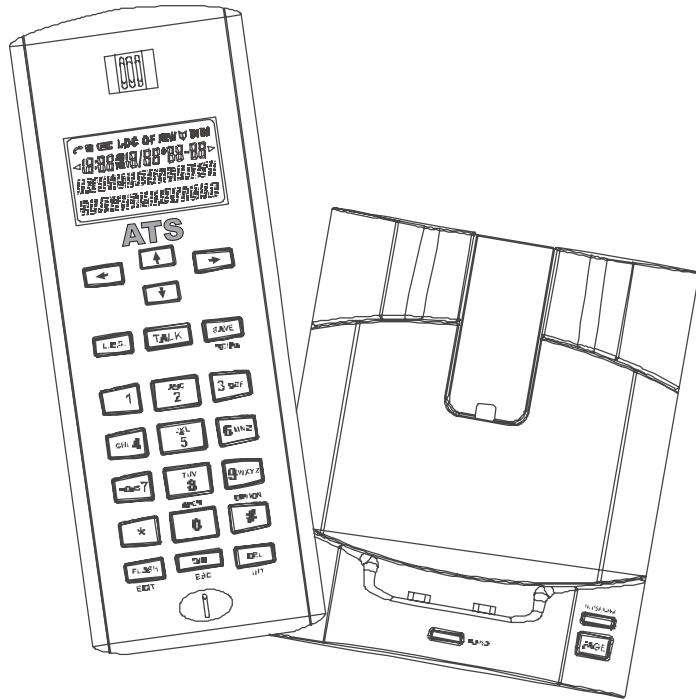


**Multi-HANDSET, Multi-BASE UNIT 2.4GHz
Digital Spread Spectrum Technology
CORDLESS CALLER ID TELEPHONE**

77 CHANNEL AUTO-HOP



Model ATS2488

**OWNER'S MANUAL
INSTALLATION AND
OPERATING INSTRUCTIONS**

***PLEASE READ THIS MANUAL CAREFULLY
BEFORE USE. KEEP FOR YOUR REFERENCE.***

Special Features

Special

*When examining your new **ATS** cordless telephone, you will find an array of special features including:*

Digital Spread Spectrum Technology - Utilizes a "wider frequency band" for a more secure conversation with a clarity of digital sound, extended range, and minimal interference from other cordless telephones.

77 Channel Auto-hop - When interference is received, the telephone automatically hops to the clearest channel.

Long Distance Service - Use the **L.D.S.** button to access special services such as Long Distance Service provided by your telephone company.

Tone or Pulse Dialing - Use this phone for either TONE (push-button) or PULSE (rotary) dialing.

Automated Functions - Redial the last number called and automatic STANDBY mode.

Security - Ensures greater privacy because of a built-in security code with 4,000,000 possible combinations that prevents use of your telephone line by another nearby cordless phone.

Special Services - Use the **EDIT/FLASH** button to access special services such as Call Waiting supplied by your telephone company or company switchboard.

STANDBY Mode - When in STANDBY mode (ON-HOOK), the phone is capable of receiving a call.

When the HANDSET is on the BASE UNIT, it is automatically in the STANDBY mode (ON-HOOK). When the HANDSET is taken off the BASE UNIT, it remains in the STANDBY mode until you activate the **TALK** button.

Battery Power Saver - Recharge your BATTERY PACK many times with the built-in CHARGER.

Once fully charged, in STANDBY mode, the HANDSET can receive/send calls for a maximum of ten days without the need for recharging. Length of charge depends on frequency of use.

Luminous LCD Screen - The LCD Screen emits light for 5 seconds everytime you press any of the TELEPHONE KEYPAD buttons.

HANDSET Ringer Level - Select the ringer sound level (HI, LOW, OFF).

HANDSET Ringer Melody - Select the desired ringer melody from the 10 available melodies.

HANDSET Volume Control - During TALK mode, press the SCROLL UP **▲** or DOWN **▼** button to select the desired receiver volume setting from Low, Medium, High, or Maximum.

Alarm Clock - The telephone emits a distinctive sound when the ALARM CLOCK function is activated (See page 24).

BELT CLIP - Use the BELT CLIP to hang your HANDSET on your belt.

Special Features

CALLER ID SYSTEM

Multi-Function Large LCD Screen - Shows the number you are dialing and, with Caller ID service (available through subscription from your local telephone company), displays information about the caller before you answer the call.

Name and Number DIRECTORY (PHONE BOOK) - Stores up to 40 names and numbers so that you can call them with a single key stroke.

Caller List - Available with Caller ID service. Stores up to 50 calls to keep track of everyone you called. The name, phone number, time and date of the call are recorded. Allows you to return their calls with a few key strokes.

Outgoing Call Memory - The telephone stores the last 8 OUTGOING CALLS to keep track of the one you called. The phone number, time, date, and the duration of the call are recorded. Allows you to call them again with a single key stroke.

Preferred Calls - You can mark the name and number of a welcome caller in the DIRECTORY (PHONE BOOK). When that number calls in, the caller's name will appear on the LCD Screen and a special ring will sound or a selected PREFERRED RING MELODY will be heard.

Blocked Calls - You can mark the name and number of an unwelcome caller in the DIRECTORY (PHONE BOOK). When that number calls in, the caller's name will appear on the LCD Screen and the ringer will be disabled.

Repeat Call Indicator - Shows if a new incoming call has called more than once.

Out of Area Call Indicator - Advises you that the incoming call is not in a Caller ID service area.

Unavailable Call Indicator - Advises you that the origin of the incoming call does not support the Caller ID system.

Call Waiting Service - Displays the name and number of the second caller, if you have subscribed to Call Waiting service from your local telephone company (see page 11.)

MULTI-HANDSET, MULTI-BASE UNIT SYSTEM

Multi-HANDSET - Registers a total of **9 HANDSETS** into the operating system.

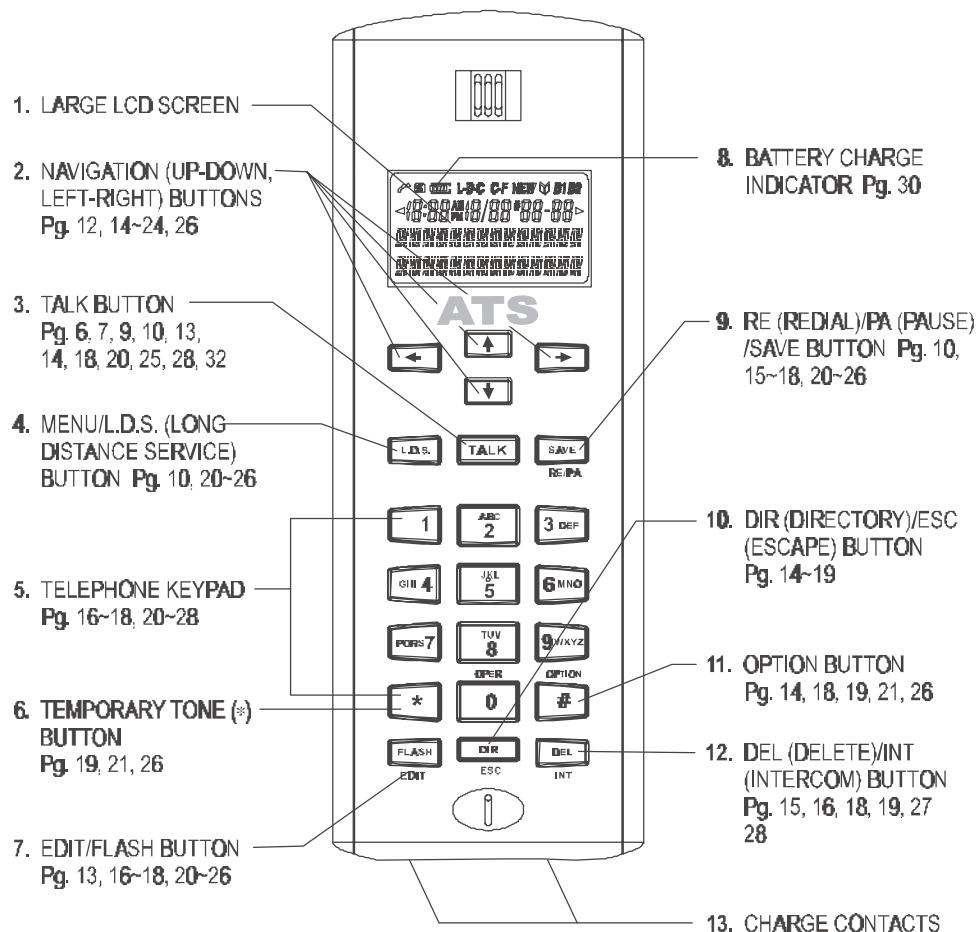
Multi-BASE UNIT - The user can have the option to add another **BASE UNIT**. The system supports **2 BASE UNITS** connected to separate telephone lines. Once registered, the **HANDSETS** can link to either of the **BASE UNITS** to make and/or receive a call.

Automatic Linking - All **9 HANDSETS** can register to the two **BASE UNITS (B1, B2)**. When the **FIRST BASE UNIT (B1)** is already engaged, the other **HANDSETS** can automatically link to the **SECOND BASE UNIT (B2)** by pressing the **TALK** button.

Intercom Call - A **HANDSET** can make an **INTERCOM** call to the other **HANDSETS** in the system.

Call Transfer - During a telephone conversation, the call can be transferred from one **HANDSET** to another **HANDSET**.

Extension Phone Detection - When one **HANDSET** is connected to a **BASE UNIT**, the LCD Screen of the other **HANDSETS** that are linked to the same **BASE UNIT** will display "Ext in-use."

*HANDSET Controls**HANDSET**HANDSET Controls*

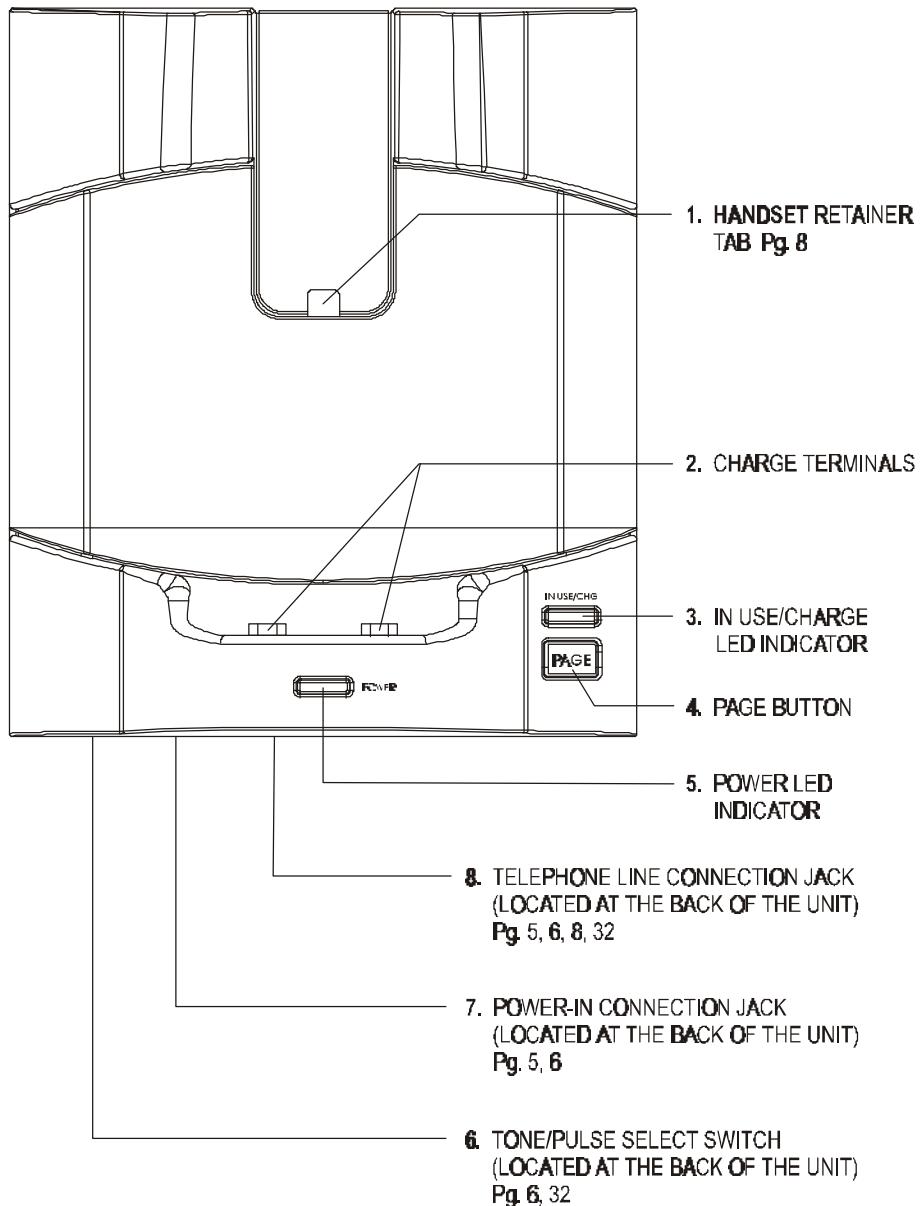
1. **Large LCD Screen:** Shows call information, phone status, prompts, and DIRECTORY (PHONE BOOK) items.
2. **SCROLL UP-DOWN, SHIFT LEFT-RIGHT  Button:** Press to move around the large LCD Screen.
3. ** Button:** Press to answer an incoming call or to place a call. Press to end a call.

HANDSET Controls

4. **L.D.S. /MENU Button:** (Long Distance Service) During TALK mode, press to automatically access the telephone company L.D.S. service. (MENU) Press to access the special functions operation STANDBY mode. (For special functions see pages 18-24.)
5. **TELEPHONE KEYPAD 1 to 0 Buttons:** Allows you to make a call depending on pressed button. (For TELEPHONE KEYPAD characters, see page 15.)
6. **TEMPORARY TONE *** Button: Press to temporarily change the DIALING mode from PULSE to TONE for Rotary Service Users. (Press once before entering numbers to access the answering system or electronic banking services, etc.)
7. **EDIT/FLASH** Button: (EDIT) Press to edit listed items. (FLASH) Press to answer a call if you have Call Waiting.
8. **BATTERY CHARGE INDICATOR:** Indicates the battery charge condition as:
 - Low Battery Level (2 bars blinking). See page 28 for detail.
 - Battery Charging (4 bars progression)
9. **SAVE /RE (REDIAL)/PA (PAUSE) Button:** (SAVE) Press and hold down to save the changes on the listed items. (REDIAL) Press to redial the last number you dialed. (PAUSE) Press to insert a pause while dialing. (You will need the **SAVE /RE/PA** button to dial numbers which use an alternative Long Distance Access Code.)
10. **DIR (DIRECTORY)/ESC (ESCAPE) Button:** (DIRECTORY (PHONE BOOK)) Press to access names and numbers stored in the DIRECTORY (PHONE BOOK). (See pages 15 to 19 for details.) (ESCAPE) Press to cancel the ongoing operation and return to STANDBY mode.
11. **# /OPTION Button:** (OPTION) Press to change the displayed telephone number to 7, 10, or 11 digit DIALING mode during Caller ID callback.
12. **DEL/INT** (DELETE/INTERCOM) Button: (DELETE) - Press and hold down to delete items or individual characters. (INTERCOM) Press to make an INTERCOM CALL to another HANDSET.
13. **CHARGE CONTACTS:** For charging the BATTERY PACK inside the HANDSET. We recommend cleaning the CHARGE CONTACTS periodically with a damp cloth.

BASE UNIT Controls

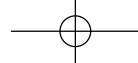
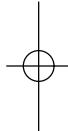
BASE U





BASE UNIT Controls

1. **HANDSET RETAINER TAB:** Holds the **HANDSET** in the **BASE UNIT** CRADLE when wall mounting the telephone.
2. **CHARGE TERMINALS:** For charging the **HANDSET** BATTERY PACK. For best performance, clean the **CHARGE TERMINALS** periodically with a damp cloth.
3. **IN USE/CHARGE LED Indicator:** (IN USE) Lights up to indicate that the **HANDSET** is in TALK mode. (CHARGE) Lights up when the **HANDSET** is placed on the **BASE UNIT** for charging.
4. **PAGE**  **Button:** Press to page the **HANDSETS**. All **HANDSETS** currently linked to the **BASE UNIT** will "beep."
5. **POWER LED Indicator:** Lights up when power is connected on the **BASE UNIT**.
6. **TELEPHONE LINE CONNECTION JACK**
7. **POWER-IN CONNECTION JACK**
8. **TONE/PULSE Select Switch**



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Safety Instructions

Safety I

IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of fire, electric shock and/or injury, always follow these basic safety precautions when using your cordless telephone equipment.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the telephone.
3. Do not use this telephone near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, near a swimming pool, or anywhere else where there is water.
4. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
5. Do not use the telephone to report a gas leak in the vicinity of the leak.
6. Use only the power cord and BATTERY PACK indicated in the Owner's Manual. Do not dispose of the BATTERY PACK in a fire. The BATTERY PACK may explode. Check with local codes for possible special disposal instructions.
7. Operate this telephone using the electrical voltage as stated on the **BASE UNIT** or in the Owner's Manual. If you are not sure of the voltage in your home, consult your dealer or local power company.
8. Unplug this telephone from the wall outlet before cleaning or replacing the BATTERY PACK. Do not use liquid cleaners or aerosol cleaners on the telephone. Use a damp cloth for cleaning.
9. Place this telephone on a stable surface. Serious damage and/or injury may result if the telephone falls.
10. Do not cover the slots and openings on this telephone. This telephone should never be placed near or over a radiator or heat register. This telephone should not be placed in a built-in installation unless proper ventilation is provided.
11. Do not place anything on the power cord. Install the telephone where no one will step or trip on the cord.
12. Do not overload wall outlets or extension cords as this can increase the risk of fire or electric shock.
13. Never push any objects through the slots in the telephone. They could touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the telephone.
14. To reduce the risk of electric shock, do not take this telephone apart. If service or repair work is required on this telephone, take it to a qualified service representative. Opening or removing covers may expose you to dangerous voltage or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
15. Unplug this telephone from the wall outlet and consult a qualified service representative in any of the following situations.
 - A. When the power supply cord is frayed or damaged.
 - B. If liquid has been spilled into the telephone.
 - C. If the telephone has been exposed to rain or water.
 - D. If the telephone does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment may require extensive work by a qualified technician to restore the telephone to normal operation.

Safety Instructions

- E. If the telephone has been dropped or the case has been damaged.
- F. If the telephone exhibits a distinct change in performance.
- 16. Never install telephone wiring during a lightning storm.
- 17. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- 18. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- 19. Use caution when installing or modifying telephone lines.

Battery Safety

CAUTION:

Danger of explosion if BATTERY PACK is incorrectly replaced. Replace only with the same or equivalent type. To reduce the risk of fire or personal injury, read and follow these instructions:

1. Use only the following type and size of BATTERY PACK:
Cordless Telephone BATTERY PACK
3.6V, 800mAh
2. Do not dispose of the BATTERY PACK in a fire. It may explode. Check with local codes for possible special disposal instructions.
3. Do not open or mutilate the BATTERY PACK. Released electrolyte from a BATTERY PACK is corrosive and may cause damage to the eyes or skin. Electrolyte may be toxic if swallowed.
4. Exercise care in handling the BATTERY PACK to prevent shorting the BATTERY PACK with conductive materials such as rings, bracelets, and keys. The BATTERY PACK or conductor may overheat and cause burns.
5. Charge the BATTERY PACK provided with (or identified for use with) this telephone only in accordance with the instructions and limitations specified in this manual.
6. Observe proper polarity orientation between the BATTERY PACK and BATTERY CHARGER.

SAVE THESE INSTRUCTIONS

ATTENTION:

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

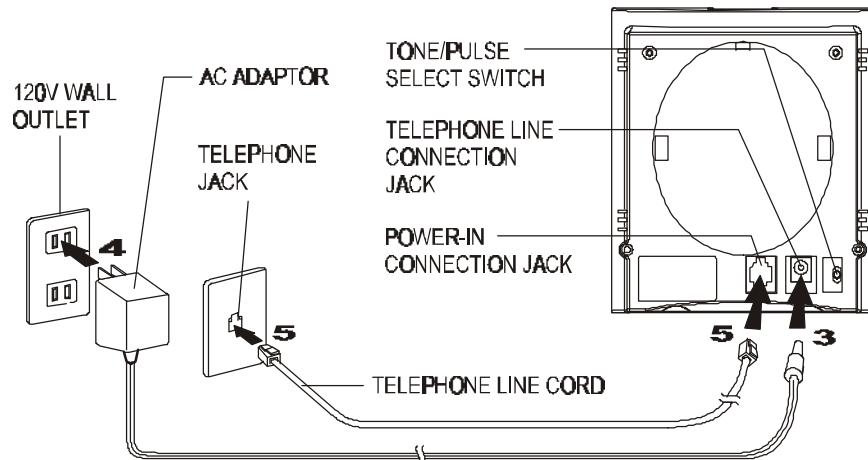
Getting Started

Getting S

Connecting Your Phone

This section is a reference guide to the basic functions and operations of your cordless telephone. For more detailed descriptions of the operations and features of this telephone, refer to the Contents on page 1.

1. Carefully remove your cordless telephone from its shipping carton. If there is any visible damage, do not attempt to operate this equipment. Return it to the place of purchase.
2. Check to be sure you have all items that come with this cordless telephone system. You should have a **HANDSET**, **BASE UNIT**, CHARGER, AC ADAPTOR, BATTERY PACK, MOUNTING BRACKET, TELEPHONE LINE CORD, SHORT TELEPHONE LINE CORD, BELT CLIP, and Owner's Manual.
3. Insert the small plug on the end of the AC ADAPTOR into the POWER-IN CONNECTION JACK at the back of the **BASE UNIT**.
4. Plug the AC ADAPTOR into a 120V AC wall outlet.
USE ONLY WITH CLASS 2 POWER SOURCE:
9V DC, 300mA for the BASE UNIT.
5. Insert one plug of the TELEPHONE LINE CORD into the house TELEPHONE JACK and the other end into the TELEPHONE LINE CONNECTION JACK at the back of the **BASE UNIT**. (If you have an older 4-prong TELEPHONE JACK, you will need an RJ-11C TELEPHONE JACK ADAPTOR. This adaptor is available at the same place you purchased your telephone.)
6. We recommend not placing this unit next to appliances. Doing so may cause interference.



Getting Started

7. Install the **HANDSET** BATTERY PACK by plugging it into the BATTERY CONNECTOR inside the BATTERY COMPARTMENT.
8. Place the BATTERY PACK inside the BATTERY COMPARTMENT.
9. Slide the **HANDSET** BATTERY COMPARTMENT COVER firmly into place in its closed position.
10. **IMPORTANT: Before initial use, charge the HANDSET for 12 hours.**
11. TONE/PULSE Select Switch:
 - A. If your home is equipped with a tone dialing system, set the TONE/PULSE Select Switch to the TONE position.
 - B. If you have a rotary dialing system, set the TONE/PULSE Select Switch to the PULSE position.
 - C. If you are not sure which system you have, set the TONE/PULSE Select Switch to the TONE position. Press the **TALK** button on the **HANDSET** to get a dial tone, and press any button on the **TELEPHONE KEYPAD** except the zero. If the dial tone continues, it means that you do not have TONE dialing service. Press the **TALK** button on the **HANDSET** to hang up. Set the TONE/PULSE Select Switch to the PULSE mode and then try again.
12. Set the date and time on the **HANDSET**. (See page 20 for details.)

Cordless Telephone Operation

Cordless

Preparing for Use

Before you can use your cordless telephone, you must charge the **HANDSET** for 12 hours. Failure to do so will require recharging of the BATTERY PACK more often.

1. Place the **HANDSET** on the **BASE UNIT** for 12 hours.
2. After 12 hours, remove the **HANDSET** from the **BASE UNIT**.

*Before you can use your cordless telephone, you must charge the **HANDSET** for 12 hours. Failure to do so will require more frequent charging of the BATTERY PACK.*

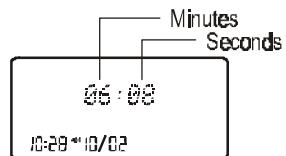
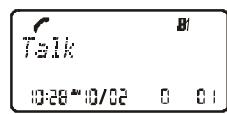
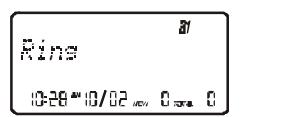
NOTE:

Depending on the frequency of use, once the **HANDSET** is fully charged, it remains functional for approximately 7 hours of continuous use and approximately 10 days when the **HANDSET** is off the **BASE UNIT** in STANDBY mode.

Receiving Calls

When a call is received, all of the **HANDSETS** registered to the system will ring with the RINGER LEVEL and MELODY selected by the user. The first **HANDSET** to respond will get the call.

1. When the phone rings, the LCD Screen of all of the **HANDSETS** registered to the system will display "Ring." If you have Caller ID, the LCD Screen will display the Caller ID information after the first ring.
2. With the **HANDSET** on or off of the **BASE UNIT**, press the **TALK** button. "Talk" will be displayed and the Call Timer starts to count. Start your conversation.
3. To end your conversation, either press the **TALK** button or place the **HANDSET** on the **BASE UNIT**. The duration of the call will be displayed on the LCD Screen for about 3 seconds and then returns the LCD Screen to the STANDBY mode.



NOTE:

If you are too far away from the **BASE UNIT**, the **HANDSET** emits "beep" sounds to warn you that the background noise level is too high for proper communication between the **HANDSET** and the **BASE UNIT**. When you hear this sound, you should move closer to the **BASE UNIT** to reduce the noise level. Otherwise, the call will automatically cut off.

Cordless Telephone Operation

Placing Calls

1. Press the **TALK** button. "Talk" will display and the Call Timer starts to count.
2. Wait until you hear a dial tone and then dial the phone number.
3. When you have finished your call, press the **TALK** button again or place the HANDSET on the BASE UNIT. The duration of the call will be displayed on the LCD Screen for about 3 seconds.

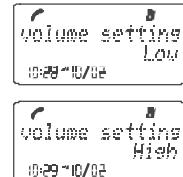
OR

1. Dial the phone number.
2. Press the **TALK** button. The number displayed will be dialed.
3. When you have finished with your call, press the **TALK** button again or place the HANDSET on the BASE UNIT. The duration of the call will be displayed on the LCD Screen for about 3 seconds.



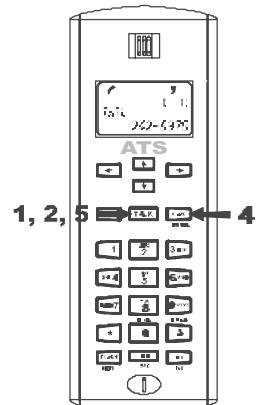
HANDSET Volume Control

1. To adjust the HANDSET receiver volume level while having a conversation, press the SCROLL UP **▲** or DOWN **▼** button to select the desired setting of Low, Medium, High or Maximum
2. The default setting is "Low."



Redial Feature

1. If you get a busy tone, press the **TALK** button or place the HANDSET on the BASE UNIT to hang up.
2. Later, press the **TALK** button again.
3. Listen for a dial tone.
4. Press the **SAVE/RE/PA** button. This will automatically redial the last telephone number you called.
5. When you have finished with your call, either press the **TALK** button again or place the HANDSET on the BASE UNIT.

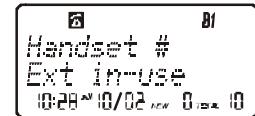


Cordless Telephone Operation

Caller ID

Extension In Use Indicator

This telephone can detect when a **HANDSET** is already in use. The LCD Screen of all of the **HANDSETS** currently linked to the same **BASE UNIT** will display "Ext in-use." This means you will have to wait until the line is free to make a call.



L.D.S. (Long Distance Service)

This telephone comes with a free of charge Long Distance Call package. To determine the length of time of your free long distance call, please call your telephone company for more details. To access this special service:

1. Press the **TALK** button. "Talk" will display and the Call Timer starts to count.
2. Wait until you hear a dial tone and then press the **L.D.S.** button.
3. The LCD Screen will display "*82," then the telephone will momentarily take a PAUSE and then it will display "+1877-848-5253."
4. Dial the telephone number you wish to call.
5. When you have finished your call, press the **TALK** button again or place the **HANDSET** on the **BASE UNIT**. The duration of the call will be displayed on the LCD Screen for about 3 seconds.

Caller ID System Operation

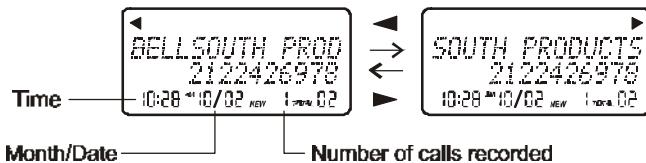
Caller ID System

This telephone automatically displays an incoming caller's name and telephone number together with the date and time of the call. It records up to 50 calls and stores the data in Memory.

IMPORTANT: You must subscribe to the Caller ID service from your local telephone company to utilize this feature.

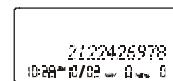
Viewing Caller Information During Incoming Calls

1. When there is an incoming call, the name and the telephone number of the caller will automatically appear after the first ring. If the name has more than 14 characters, the first 14 letters will be displayed first. Press the SHIFT LEFT  button to view all the following letters.



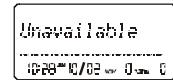
OR

"Unavailable" and the caller's telephone number will appear if the caller's name is not available.



OR

"Unavailable" will appear when Caller ID information is not available. The origin of the call does not support the Caller ID system (including international calls).



OR

"Data error" will appear when the Caller ID information was received incorrectly or only part of the data was received.



NOTE: When an error is received, none of the data from this call is saved in memory.

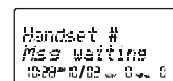
OR

"Private" will appear if the caller's name and/or telephone number is blocked.



OR

"Msg waiting" will appear when a Voice Mail Message has been received and is stored by the Message Waiting service provided by the telephone company.



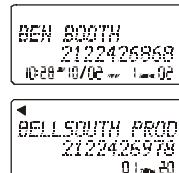
Caller ID System Operation

Caller ID

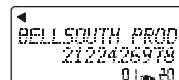
Caller ID with Call Waiting

When you subscribe to Call Waiting service from your local telephone company, this telephone will display a flashing name and number of the second caller while you are having a phone conversation with your first caller.

When a new call comes in while you are talking, you will hear a notification beep from the **HANDSET** and the volume is momentarily muted. The new caller's name and phone number, if available, appears on the LCD Screen.



Second Caller



First Caller

1. When you receive a "Call Waiting" call and you want to connect the call, press the **EDIT/FLASH** button and start talking with the second caller. The active call will be placed on hold.
2. Press the **EDIT/FLASH** button to alternate between calls.
3. Press the **TALK** button or place the **HANDSET** on the **BASE UNIT** to end the call.

"Msg waiting" (Message Waiting)

The Message Waiting LED indicator will blink green when there is a message for you from your telephone company if you have subscribed to Voice Mail message service and if you have requested Visual Message Indication from your local telephone company. "Msg waiting" will appear on the LCD Screen in STANDBY mode. (To remove the MSG WAITING indicator, see page 23 for detail.)



Note: This function requires voice mail subscription from the local telephone company. Furthermore, the local phone company must provide a type of voice mail signaling called "FSK" (Frequency Shift Key). Not all telephone companies have the visual message waiting feature available. Please contact your local telephone company to check if this is available in your area.

Caller List

This phone automatically stores the last 50 calls received. It records call information such as the caller's name and telephone number together with the date and time of the call.

The NEW CALL LED indicator will blink red to indicate that you have a new Caller ID call stored in memory. Also, "New call:__" will be displayed on the LCD Screen with "__" being the number of new calls that have not been reviewed.



Caller ID System Operation

Viewing the Caller List

- With the **HANDSET** in STANDBY mode, press the SCROLL UP  or DOWN  button. The LCD Screen will display "Incoming call," press the SCROLL UP  or DOWN  button again to display the Caller ID records.
- Any unviewed (new) calls will be displayed first. The information on the call will be displayed with the name, number, date, and time that the call was received.
- Pressing the SCROLL DOWN  button will go through the calls from the last call received to the first Caller ID record. Pressing the SCROLL UP  button will allow you to view the calls from the first call received to the last.
- If the name has more than 14 characters, the first 14 letters will be displayed first. Press the SHIFT LEFT  button to view all the following letters.
- Press the  button to return to STANDBY mode.

Incoming call

VICKIE
2122466998
10:28 AM 10/02 12 sec 12

BELLSOUTH PROD
2122426978
10:28 AM 10/02 12 sec 12

SOUTH PRODUCTS
2122426978
10:28 AM 10/02 12 sec 12

Placing a Call from the Caller List

You can place a call from the Caller list by using the Caller ID CALLBACK feature.

- When viewing the Caller ID List, press the SCROLL UP  or DOWN  button to find the record you wish to call back.
- Press the /OPTION button to change the displayed number to 7, 10, or 11 digits.

The first dialing option displayed is the 11 digits for a long distance call.

Press the /OPTION button for the second time, the displayed number will change to 7 digits for a local call.

Press the /OPTION button for the third time, the displayed number will change to 10 digits for a local call with area code.

- Press the  button to dial the displayed number. Press the  button to cancel and return to STANDBY mode.
- To end a call, either press the  button or place the **HANDSET** on the **BASE UNIT**.

VICKIE
2122466998
10:28 AM 10/02 12 sec 12
First press.

VICKIE
2122466998
10:28 AM 10/02 12 sec 12
Second press.

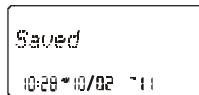
VICKIE
2466998
10:28 AM 10/02 12 sec 12
Third press.

Caller ID System Operation

Caller ID

Storing Caller ID Records into the DIRECTORY (PHONE BOOK)

1. When viewing the Caller ID List, press the SCROLL UP  or DOWN  button to find the record you wish to store into the DIRECTORY (PHONE BOOK).
2. Press and hold the /RE/PA button.
3. The LCD Screen will display "Saved."



4. If you wish to edit the newly stored number, edit it in the DIRECTORY (PHONE BOOK) (page 18, "Editing a Stored Number").
5. Press the  button to return to STANDBY mode.

Deleting Caller ID Records

When viewing the Caller ID List you can delete a single call record or all of the call records.

Deleting a Single Record

1. Press the SCROLL UP  or DOWN  button to find the record you wish to delete.
2. Press the  button. The LCD Screen will display "Erase item?"
3. To delete the record, press the  button again. The LCD Screen will display the preceding Caller ID record.
4. Press the  button to exit the Caller ID list.

Deleting All Records

1. Press the SCROLL UP  or DOWN  button.
2. Press and hold the  button. The LCD Screen will display "Erase all?"
3. To delete all of the Caller ID records, press the  button again. The LCD Screen will return to STANDBY mode.

NOTE: The user can cancel the deleting step by pressing the  button.

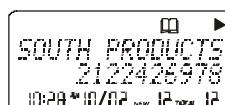
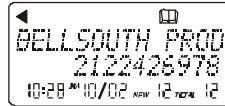
Caller ID System Operation

Name and Telephone Number DIRECTORY (PHONE BOOK)

This DIRECTORY (PHONE BOOK) lets you scroll through the list to find the person you need for one touch dialing. You can store up to 40 names and telephone numbers in the Memory.

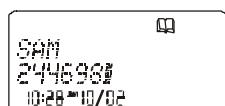
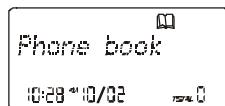
Viewing the DIRECTORY (PHONE BOOK)

1. Press the  button. The LCD Screen will display "Phone book."
2. Press the TELEPHONE KEYPAD   that corresponds to the first letter of a Caller's name (a triple "beep" will sound if no entries are stored under those letters). Press the SCROLL UP  or DOWN  button to find the record you wish to view.
3. If the name has more than 14 characters, the first 14 letters will be displayed first. Press the SHIFT LEFT  button to view all the following letters and/or .
4. Press the  button to exit the DIRECTORY (PHONE BOOK).



Storing Phone Numbers

1. With the HANDSET in STANDBY mode, press the  button. The LCD Screen will display "Phone book."
2. Press the  button to create a new DIRECTORY (PHONE BOOK) entry.
3. Enter the name you wish to store using the TELEPHONE KEYPAD   buttons to enter the name, (see page 15 for detail) you can store up to 18 letters. To move the cursor to the right, create a space or to enter a new letter, press the SHIFT RIGHT  button.
4. Press the SCROLL DOWN  button, and dial the telephone number you wish to store using the TELEPHONE KEYPAD  to  buttons. You can store up to 22 digits. Briefly press the  button to insert a pause into the number.
5. Press and hold the  button to store the number into memory.



NOTES:

1. If there are no memory locations left in the speed dial DIRECTORY (PHONE BOOK) the LCD Screen will display "Memory full." To continue with memory programming, you must delete or edit existing speed dial numbers.
2. If you mis-type entering the phone number, you can move through the number and edit it by pressing the SHIFT RIGHT  or LEFT  button. To delete a character or number inside the cursor, press the  button.

Caller ID System Operation

Caller ID

Telephone Keypad Characters

The TELEPHONE KEYPAD buttons are used to enter characters when entering names and numbers. Press the appropriate TELEPHONE KEYPAD button to get the following characters. You can store a maximum of 18 characters on the letter icon and a maximum of 22 digits on the number icon.

Keypad Buttons	1st Press	2nd Press	3rd Press	4th Press	5th Press	6th Press	7th Press	8th Press	9th Press
1	Space	1	&	'	()	.	Space	1
2	A	B	C	a	b	c	2	A	B
3	D	E	F	d	e	f	3	D	E
4	G	H	I	g	h	i	4	G	H
5	J	K	L	j	k	l	5	J	K
6	M	N	O	m	n	o	6	M	N
7	P	Q	R	S	p	q	r	s	7
8	T	U	V	t	u	v	8	T	U
9	W	X	Y	Z	w	x	y	z	9
0	0	0	0	0	0	0	0	0	0
*	*	*	*	*	*	*	*	*	*
#	#	#	#	#	#	#	#	#	#

EXAMPLE:

If you want to enter the name "ALEX" with telephone number "2426978," dial this sequence:

1. Press the  button. The LCD Screen will display "Phone book."
2. Press the  button to create a new DIRECTORY (PHONE BOOK) entry.
3. Press the following TELEPHONE KEYPAD buttons to get the desired letters:

TELEPHONE KEYPAD BUTTON	2	555	33	99
LETTER	A	L	E	X

4. Press the SCROLL DOWN  button to move the cursor to the number icon.
5. Press the TELEPHONE KEYPAD  to  buttons to get the desired numbers:
6. Press and hold the  button to store the data in the DIRECTORY (PHONE BOOK) memory.

Caller ID System Operation

Placing Calls from the DIRECTORY (PHONE BOOK)

1. Press the  button. The LCD Screen will display "Phone book."
2. Press the SCROLL UP  or DOWN  button to find the record you want to call.
OR
Press a TELEPHONE KEYPAD  to  that corresponds to the first letter of a name. Press the SCROLL UP  or DOWN  button to find the record you wish to call.
3. Press the  to change the displayed number to 7, 10, or 11 digits. The first dialing option displayed is the 11 digits for a long distance call.
Press the  for the second time, the displayed number will change to 7 digits for a local call.
Press the  for the third time, the displayed number will change to 10 digits for a local call with area code.
4. Press the  button to dial the displayed number.
5. To end the call, either press the  button or place the **HANDSET** on the **BASE UNIT**.

VICKIE
123456789
08/08/08 12:12

First press.

VICKIE
123456789
08/08/08 12:12

Second press.

VICKIE
2466989
08/08/08 12:12

Third press.

Editing a Stored Number in the DIRECTORY (PHONE BOOK)

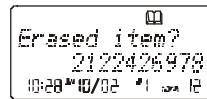
1. Press the  button. The LCD Screen will display "Phone book."
2. Press the SCROLL UP  or DOWN  button to find the record you wish to edit.
3. Press the  button. The entry will display with a flashing prompt over the first character of the name field.
4. Move the cursor to the letter or number you wish to edit by pressing the SCROLL UP  or DOWN  , SHIFT RIGHT  or LEFT  button.
To erase a character or digit, press the  button.
To add a letter or number, use the TELEPHONE KEYPAD  to  buttons. Characters or numbers will be inserted in front of the cursor (See page 15 for details.)
5. When the entry is edited as you desire, press and hold the  button to store the edited record.

Caller ID System Operation

Caller ID

Deleting a Stored Record in the DIRECTORY (PHONE BOOK)

1. Press the  button. The LCD Screen will display "Phone book."
2. Press the SCROLL UP  or DOWN  button to find the record you wish to delete.
3. Press the  button. The LCD screen will display "Erase item?"
4. To delete the record, press the  button again. The LCD Screen will display the preceding Caller ID record.
5. Press the  button to return to STANDBY mode.


Erase item?
2122426978
10:28 10/02 11 10 10

PREFERRED CALLS

You can assign stored numbers a PREFERRED CALL status. When an incoming call is matched to a stored number designated as PREFERRED, the phone will generate a special ringer sound or play the RING MELODY assigned by the user after the Caller ID information is received.

When you are saving the name and number into the DIRECTORY (PHONE BOOK), add a "#" symbol at the beginning of the name by pressing the  button.


#ALEX BROWNING
6622466899
10:28 10/02 10 10

To assign a RING MELODY, add a "#" symbol followed by the desired RING MELODY number (1-0) at the beginning of the name. To hear a sample of the RING MELODY sound, see page 20 for details.


#2ALEX BROWNING
6622466899
10:28 10/02 10 10

BLOCKED CALLS

You can assign stored numbers a BLOCKED CALL status. When an incoming call is matched to a stored number designated as blocked, the phone will not ring after the Caller ID information is received.

When you are saving the name and number into the DIRECTORY (PHONE BOOK), add an "*" symbol at the beginning of the name by pressing the  button.


*ALEX BROWNING
6622466899
10:28 10/02 10 10

"C-F" (Forwarded Call)

The "CF" icon pops-up on the LCD Screen, when the incoming call has been assigned to your telephone number and the service is provided by your local telephone company.

"L-D-C" (Long Distance Call)

The "LDC" icon pops-up on the LCD Screen, when the incoming call is a long distance call and the service is provided by your local telephone company.

Caller ID System Operation

OUTGOING CALLS

This telephone remembers the last 8 OUTGOING CALLS. The time, date, and the duration of the call are recorded.

1. With the **HANDSET** in STANDBY mode, press the SHIFT LEFT  button. The LCD Screen will display "Outgoing call."
2. Pressing the SCROLL DOWN  button will go through the calls from the last to the latest OUTGOING CALL record. Pressing the SCROLL UP  button will allow you to view the calls from the latest call to the last.
3. To make a follow-up call, press the  button to dial the displayed record.

Outgoing call
... 8

WICKIE 10:08
10:28 10/02 1... 8

Function Settings

You can change the setting on the **HANDSET** in the functions menu. Access the functions menu by pressing the /**MENU** button.

There are 12 settings in the functions menu which can be changed. You can scroll through the function menu in the listed order by pressing the SCROLL DOWN  button.

Settings can be accessed by pressing the corresponding TELEPHONE KEYPAD button. To edit a setting, press the  button, use the SCROLL UP  or DOWN  button to toggle between the setting options, and then press and hold the  button to save the changes. Press the /**MENU** button to exit the functions menu.

TELEPHONE KEYPAD	Function
	Ringer Hi/Low/Off: Changes the volume of the ringer on the HANDSET or turn the ringer OFF.
	Ring Melody: Changes the HANDSET ring melody.
	First Ring On/Off: Turns the first ring of the phone OFF so that it does not ring until Caller ID information has been displayed. Particularly useful when using the PREFERRED and BLOCKED call features or the PRIVATE and UNAVAILABLE ring settings.
	Time Set: Changes the time and date.
	Contrast: Adjusts the brightness of the LCD Screen for optimum viewing.

Caller ID System Operation

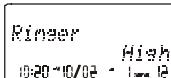
Caller ID

TELEPHONE KEYPAD	Function
6	PBX Number: Inserts if a "PBX Number" before an outgoing number is dialed. Select the number (0-9) which is required to access an outside line when using a switchboard system, and the phone will automatically dial the PBX number and a pause before any speed dial or Caller ID callback number. Factory setting is "OFF."
7	Language: Changes the language that appears on the LCD Screen. Choose between English, French, or Spanish.
8	User Name: Changes the user name (ID) that appears on the LCD Screen during STANDBY mode.
9	MSG Waiting Delete: Clears current message waiting indication.
0	Area Code: Adds the local Area Code to numbers that were stored as 7-digits in the phone book and 10-digit dialing is required in the local calling area.
*	Register: Initiates the registration of HANDSETS to the BASE UNIT .
#	Alarm Clock: Sets the Alarm clock time.

NOTE: At any time during options programming you can quit and the settings that you have changed will be saved. Press the **L.D.S./MENU** button to quit the options menu or let the options programming time out by not pressing any TELEPHONE KEYPAD buttons for 20 seconds.

A. Setting the Ringer Level

1. Press the **L.D.S./MENU** button to enter the menu.
2. Press the **1** button to go to the RINGER LEVEL programming option.
3. Press the **EDIT/FLASH** button to change the setting. "High" will begin flashing.

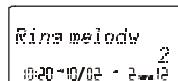


4. Press the SCROLL UP **▲** or DOWN **▼** button to toggle between High, Low, and Off.
5. When the desired setting is displayed, press and hold the **SAVE/RE/PA** button to save the setting. A long "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the **L.D.S./MENU** button to return to STANDBY mode.

Caller ID System Operation

B. Setting the Ring Melody

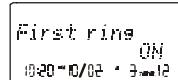
1. Press the **L.D.S. /MENU** button to enter the menu.
2. Press the **2** button to go to the RING MELODY programming option.



3. Press the **EDIT/FLASH** button to change the setting. "2" will begin flashing.
4. Press the SCROLL UP **▲** or DOWN **▼** button to select 1 of the 10 RING MELODIES available. A ringer sample will be heard for 2 seconds when toggling from one RING MELODY to another. The preset RING MELODY is "2."
5. When the desired setting is displayed, press and hold the **SAVE /RE/PA** button to save the setting.
6. Continue with programming or press the **L.D.S. /MENU** button to return to STANDBY mode.

C. Turning the FIRST RING ON or OFF

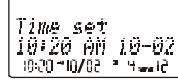
1. Press the **L.D.S. /MENU** button to enter the menu.
2. Press the **3** button to go to the FIRST RING programming option.



3. Press the **EDIT/FLASH** button to change the setting. "ON" will begin flashing.
4. Press the SCROLL UP **▲** or DOWN **▼** button to toggle between ON or OFF.
5. When the desired setting is displayed, press and hold the **SAVE /RE/PA** button to save the setting. A long "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the **L.D.S. /MENU** button to return to STANDBY mode.

D. Setting the Time and Date

1. Press the **L.D.S. /MENU** button to enter the menu.
2. Press the **4** button to go to the TIME SET programming option.



3. Press the **EDIT/FLASH** button to change the setting. The hour will begin flashing.
4. Press the TELEPHONE KEYPAD **1** to **0** button to enter the hour. The minute will begin flashing.

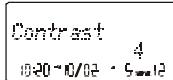
Caller ID System Operation

Caller ID

5. Press the TELEPHONE KEYPAD **1** to **0** button to enter the minutes. "AM" or "PM" will begin flashing.
6. Press the TELEPHONE KEYPAD **1** button to choose "AM" or press the **2** button to choose "PM." The month will begin flashing.
7. Press the TELEPHONE KEYPAD **1** to **0** button to enter the month. The date will begin flashing.
8. Press the TELEPHONE KEYPAD **1** to **0** button to enter the date.
9. When the desired setting is displayed, press and hold the **SAVE/RE/PA** button to save the setting. A long "beep" will sound to confirm the setting and you are returned to the options menu.
10. Continue with programming or press the **L.D.S./MENU** button to return to STANDBY mode.

E. Adjusting the Contrast

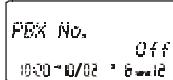
1. Press the **L.D.S./MENU** button to enter the menu.
2. Press the **5** button to go to the CONTRAST programming option.



3. Press the **EDIT/FLASH** button to change the setting. "3" will begin flashing.
4. Press the SCROLL UP **▲** or DOWN **▼** button to toggle from level 1 to level 8 of contrast.
5. When the desired setting is displayed, press and hold the **SAVE/RE/PA** button to save the setting. A long "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the **L.D.S./MENU** button to return to STANDBY mode.

F. Setting the PBX Number

1. Press the **L.D.S./MENU** button to enter the menu.
2. Press the **6** button to go to the PBX NUMBER programming option.



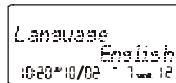
3. Press the **EDIT/FLASH** button to change the setting. "OFF" will begin flashing.
4. Press the SCROLL UP **▲** or DOWN **▼** button to customize the digit to match your PBX system. When not connected to a PBX system, the phone PBX NUMBER programming option must be set to "OFF" for the phone to function correctly.

Caller ID System Operation

5. When the desired setting is displayed, press and hold the **SAVE** /RE/PA button to save the setting. A long "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the **L.D.S. /MENU** button to return to STANDBY mode.

G. Changing the Language

1. Press the **L.D.S. /MENU** button to enter the menu.
2. Press the **7** button to go to the LANGUAGE programming option.



3. Press the **EDIT/FLASH** button to change the setting. "English" will begin flashing.
4. Press the SCROLL UP **▲** or DOWN **▼** button to toggle between English, Espanol, and Francais.
5. When the desired setting is displayed, press and hold the **SAVE** /RE/PA button to save the setting. A long "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the **L.D.S. /MENU** button to return to STANDBY mode.

H. Changing the User Name

1. Press the **L.D.S. /MENU** button to enter the menu.
2. Press the **8** button to go to the USER NAME programming option.



3. Press the **EDIT/FLASH** button to change. The entry will display a flashing prompt over the first character of the present USER NAME.
4. Enter the desired USER NAME using the TELEPHONE KEYPAD (**0** /ABC to **9** /WXY) buttons. The USER NAME can contain a maximum of 12 characters. See page 15 for details.
5. Press and hold the **SAVE** /RE/PA button to save the setting. A long "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the **L.D.S. /MENU** button to return to STANDBY mode.

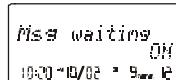
NOTE: The USER NAME will be displayed on the **HANDSET LCD Screen** during STANDBY mode.

Caller ID System Operation

Caller ID

I. Deleting Message Waiting Indication

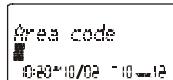
1. Press the **L.D.S. /MENU** button to enter the menu.
2. Press the **9** button to go to the MESSAGE WAITING programming option.



3. Press the **EDIT/FLASH** button to reset the Message Waiting Indication. "OFF" will begin flashing.
4. Press and hold the **SAVE /RE/PA** button to delete the indication. A long "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the **L.D.S. /MENU** button to return to STANDBY mode.

J. Setting the Area Code

1. Press the **L.D.S. /MENU** button to enter the menu.
2. Press the **0** button to go to the AREA CODE programming option.



3. Press the **EDIT/FLASH** button. The entry will display a flashing prompt at the left side of the number field.
4. Press the TELEPHONE KEYPAD **1** to **0** buttons to enter the three digit area code for your phone number.
5. When the desired setting is displayed, press and hold the **SAVE /RE/PA** button to save the setting. A long "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the **L.D.S. /MENU** button to return to STANDBY mode.

NOTE:

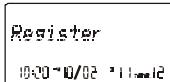
To use the call back function, press the **# /OPTION** button and then select the 10-DIGIT DIALING mode. Press the **TALK** button and the unit will automatically dial the stored 7-digit number plus the area code.

The LCD Screen will only display the last 7-DIGITS for all 10-DIGIT INCOMING CALLS that matched the AREA CODE setting.

Caller ID System Operation

K. Registering the HANDSET(S)

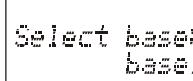
1. Press the **L.D.S./MENU** button to enter the menu.
2. Press the ***** button to go to the REGISTER programming option.



3. Press the **EDIT/FLASH** button. The LCD Screen will prompt "Select base." The default setting is "base 1."
4. To confirm, press the **EDIT/FLASH** button again. The LCD Screen will display "Put down H/S". Put the **HANDSET** on the **BASE UNIT** charge cradle within 6 seconds. A confirmation "beep" tone will be heard.
5. The **BASE UNIT** will automatically assign the ID number of the newly registered **HANDSET**. The **HANDSET** ID # will be displayed on the LCD Screen.
6. To register more **HANDSETS**, follow steps 1 to 4.
7. Continue with programming or press the **L.D.S./MENU** button to return to STANDBY mode.

NOTE:

To register the **HANDSET(S)** to another **BASE UNIT**, select the **BASE 2** option by pressing the **SCROLL UP** or **DOWN** button. The second **BASE UNIT** (B2) must be connected to a separate telephone line.



10-20-10/02

L. Setting the ALARM CLOCK

1. Press the **L.D.S./MENU** button to enter the menu.
2. Press the **#** button to go to the ALARM CLOCK programming option.



3. Press the **EDIT/FLASH** button. Set the time by pressing the **TELEPHONE KEYPAD** to **0** buttons. Press the **1** button to enter AM, or **2** button to enter PM. The default ALARM CLOCK setting is "Off."
4. When the desired setting is displayed, press and hold the **SAVE/RE/PA** button to save the setting. A long "beep" will sound to confirm the setting has been saved.
5. Press the **L.D.S./MENU** button to return to STANDBY mode.

NOTE:

To stop the alarm, press any **TELEPHONE KEYPAD** button. The ALARM setting is a one time setting, therefore the alarm must be re-set before the alarm will sound again.

Multi-HANDSET, Multi-BASE UNIT System Operation

Multi-HAI

Multi-HANDSET, Multi-BASE UNIT System

The system supports the registration of 9 HANDSETS to a BASE UNIT. The user can add another BASE UNIT (B2) and register the same HANDSETS. The BASE UNITS must be connected to separate telephone lines. The HANDSETS can make INTERCOM CALLS, and CALL TRANSFERS to one another provided they are using the same BASE UNIT at that time.

Intercom Call

1. With the HANDSET in STANDBY mode, press the **DEL/INT** button. The LCD Screen of the initiating HANDSET will display "Select H/S.."
2. Enter the ID # of the receiving HANDSET by pressing the TELEPHONE KEYPAD **1** to **9** buttons.
3. The receiving HANDSET will receive a page tone and the LCD Screen will display "Handset #, Paging you."
4. The receiving HANDSET will connect by pressing the **DEL/INT** button. Both LCD Screens will display "Intercom with:, Handset #."
5. To end the INTERCOM CALL, press the **DEL/INT** again. The LCD Screen of both HANDSETS will return to STANDBY mode.

Select H/S..
Initiating HANDSET

Paging With:
Handset #
Initiating HANDSET

Handset #
Paging you
Receiving HANDSET

Intercom With
Handset #X
Both HANDSET

Receiving a Call while in Intercom Call

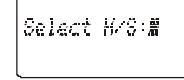
1. When an outside call is received, both HANDSETS involved in the Intercom call will emit two short double "beep" sounds. The Caller ID information, if available, will display on the LCD Screens after the alert beeps.
2. Press the **DEL/INT** button to terminate the Intercom call.
3. Press the **TALK** button to access the outside call.

eration

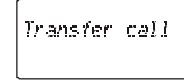
Multi-HANDSET, Multi-BASE UNIT System Operation

Transfer Call

1. During a call, press the  button. The LCD Screen of the initiating **HANDSET** will display "Select H/S:."
2. Enter the ID # of the receiving **HANDSET** by pressing the TELEPHONE KEYPAD  to  buttons.
3. The initiating **HANDSET** will return to STANDBY mode.
4. The receiving **HANDSET** will receive a special alerting tone and the LCD Screen will display "Transfer call." If available, the caller's telephone number will be displayed on the LCD Screen after the first ring.
5. The receiving **HANDSET** will answer the call by pressing the .
6. If the receiving **HANDSET** does not answer the call within 30 seconds, the initiating **HANDSET** will receive a Ring Back melody.



Initiating HANDSET



Receiving HANDSET



Receiving HANDSET



Security

Rechargi

Security System

Your cordless telephone uses a digital coding security system to prevent unauthorized use of your telephone line by another nearby cordless telephone. The system has its own identifying signal created by microcomputers in both the **BASE UNIT** and the **HANDSET**.

Security Code

This telephone has an internal security code with 4,000,000 possible combinations.

77 Channel Auto-Hop

Your cordless telephone automatically selects the best channel from the 77 frequencies available to transmit signals between the **BASE UNIT** and the **HANDSET**. When interference is received from other cordless telephones, your telephone automatically hops to the next clear channel.



Recharging the BATTERY PACK

Battery Type

Use the following type and size of BATTERY PACK:

Cordless Telephone BATTERY PACK

3.6V, 600mAh

Ni-Cd BATTERY PACK

Recharging the BATTERY PACK

The nickel cadmium (Ni-Cd) BATTERY PACK in the **HANDSET** can be recharged many times using the built-in charger in the **BASE UNIT**.

When the BATTERY CHARGE INDICATOR appears with two bars blinking on the LCD Screen, a "beep" sound will be heard every 10 seconds. This indicates that the BATTERY PACK needs to be recharged.

Charge the BATTERY PACK at least once every 90 days of non-use to avoid battery failure. When the BATTERY PACK can no longer be charged, replacement of the BATTERY PACK will be necessary.

The BATTERY PACK used in your telephone may develop a condition known as "MEMORY." Once subjected to a regular short discharging routine, the BATTERY PACK assumes the discharging pattern it was subjected to. This causes rapid discharging thereby shortening the BATTERY PACK charge span. If you believe your BATTERY PACK has developed a "MEMORY" condition, do not charge the **HANDSET** until the BATTERY CHARGE INDICATOR appears with two bars blinking on the LCD Screen. When the BATTERY CHARGE INDICATOR appears with two bars blinking on the LCD Screen, then charge the **HANDSET** fully for 12 hours.

Problem Solving

Technica

Problem Solving Section

For your assistance, we have listed below a few common problems.

Phone does not work, check the following:

1. **BASE UNIT** is plugged into a power source.
2. **HANDSET** is charged.
3. TONE/PULSE Select Switch is in the right position.
4. TELEPHONE LINE CORD is plugged into the TELEPHONE JACK.

Range of phone limited, check the following:

1. **BASE UNIT** is centrally located in your residence.
2. **BASE UNIT** is not located near appliances.

No dial tone, check the following:

1. TELEPHONE LINE CORD plugs are connected to the TELEPHONE JACK and TELEPHONE LINE CONNECTION JACK.
2. **BASE UNIT** is plugged into a power source.

Received signal flutters or fades, check the following:

1. BATTERY PACK in the **HANDSET** is fully charged.
2. **HANDSET** is not too far from the **BASE UNIT**.

Interference on reception, check the following:

1. Noise may be picked up from electrical products in the home or electrical storms. Generally, this noise is a minor annoyance and should not be interpreted as a defect in your system. (See Technical Information on page 30).

Excess static, check the following:

1. Check to see that the **ANTENNA** is not touching another metal object.

If after pressing the button, you receive three "beeps" and no dial tone, check the following:

1. **BASE UNIT** is plugged into a power source.

No connection between the **HANDSET** and the **BASE UNIT**, check the following:

1. Did you register your **HANDSET** to the **BASE UNIT**? (See page 24 for registering the **HANDSET(S)**.)

NOTE:

If none of the telephones in the house are working, disconnect one set at a time to verify that none of the phones are causing the problem. If you still have a problem after doing this, and your telephone still does not work, please contact your local phone company.

Technical Information

Technical Information

This cordless telephone uses radio frequencies to allow mobility. There are certain difficulties in using radio frequencies with a cordless telephone. While these are normal, the following could affect the operation of your system.

Noise

Electrical pulse noise is present in most homes at one time or another. This noise is most intense during electrical storms. Certain kinds of electrical equipment such as light dimmers, fluorescent bulbs, motors, and fans also generate noise pulses. Because radio frequencies are susceptible to these noise pulses, you may occasionally hear them in your **HANDSET**. Generally they are a minor annoyance and should not be interpreted as a defect in your system.

Range

Because radio frequency is used, the location of the **BASE UNIT** can affect the operating range. Try several locations in your home or office and pick the one that gives you the clearest signal to the **HANDSET**.

Interference

Electronic circuits activate a relay to connect the cordless telephone to your telephone line. These electronic circuits operate in the radio frequency spectrum. While several protection circuits are used to prevent unwanted signals, there may be periods when these unwanted signals enter the **BASE UNIT**. You may hear clicks or hear the relay activate while you are not using the **HANDSET**. If the interference occurs frequently, it can be minimized or eliminated by relocating the **BASE UNIT**. You can check for interference before selecting the final **BASE UNIT** location by plugging in the telephone.

NOTICE:

This cordless telephone uses radio communication between the **HANDSET** and the **BASE UNIT** and may not ensure privacy of communication. Other devices, including other cordless telephones, may interfere with the operation of this cordless telephone or cause noise during operation. Units not containing coded access may be accessed by other radio communication systems. Cordless telephones must not cause interference to any licensed radio service.

FCC Requirements

Federal Communications Commission Requirements

This equipment complies with Part 68 of the FCC Rules. A label on the **BASE UNIT** of this equipment contains, among other information, the ACTA Product Number and the Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.

The REN is also useful in determining the quantity of devices that you may connect to your telephone line and still allow these devices to ring when your telephone number is called. In most areas, but not all, the sum of the RENs for all devices connected to one line should not exceed five (5.0). To be certain of the number of devices that you may connect to your line, you should contact your local telephone company.

If your equipment should cause harm to the telephone network, the telephone company may temporarily disconnect your service. If possible, they will notify you in advance that temporary discontinuance of service may be required. However, when advanced written notice is not possible, the telephone company may temporarily discontinue service without notice if such action is necessary under the circumstances. The telephone company may make changes in its communication facilities, equipment, operations, or procedures where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations of the Federal Communications Commission. **Do not attempt to repair or modify this equipment.**

WARNING: Changes or modifications not expressly approved by the party responsible for its compliance could void the user's authority to operate the equipment.

Some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the **BASE UNIT** of the cordless telephone should not be placed on or near a TV or VCR. If interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.

FCC Requirements

Federal Communications Commission Requirements (continued)

This equipment should not be used on coin telephone lines. Connection to party line service is subject to state tariffs. If trouble is experienced, disconnect this equipment from the telephone line to determine if it is causing the malfunction. If the equipment is determined to be malfunctioning, its use should be discontinued until the problem has been corrected.

NOTE: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

1. Reorient or relocate the receiving ANTENNA.
2. Increase the distance between the equipment and the receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

EXPOSURE TO RADIO FREQUENCY ENERGY

The design of your BELLSOUTH Cordless Phone, which generates Radio Frequency (RF) Electromagnetic Energy (EME), complies with the following national and international standards and guidelines.

The Relevant Guidelines and Standards are:

- FCC Report and Order FCC 96-326 (August, 1996)
- American National Standards Institute (C95.1-1992)
- National Council Radiation Protection and Measurements (NCRP-1986)
- International Commission on Non-Ionizing Radiation Protection (ICNIRP-1998)

