



USER'S MANUAL
Part 2

2.4 GHz Cordless Telephone 2230 with Caller ID/Call Waiting



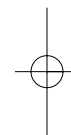
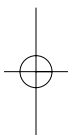
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5/10/01**



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Information, Visit Our Website At
www.telephones.att.com

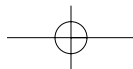
Please also read
**Part 1 — Important
Product Information**

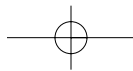
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CONTENTS

TO COME





BEFORE YOU BEGIN

About the Base and the Charger

This cordless product provides you with two cordless handsets, a base station and a charger. You can charge either handset in the base or in the charger. You'll need to connect the base to both AC power and a modular telephone jack. You'll connect the charger to AC power only. For more installation information, please see INSTALLATION in this User Manual.

About Caller Identification (Caller ID)

This product has a Caller ID with Call Waiting feature that works with service from your local phone service provider.

Caller ID with Call Waiting lets you see who's calling before you answer the phone, even when you're on another call.

You may need to change your phone service to use this feature. Contact your phone service provider if:

- You have both Caller ID and Call Waiting, but as separate services (you may need combined service)
- You have only Caller ID service, or only Call Waiting service
- You don't subscribe to any Caller ID or Call Waiting services.

You can use this product with regular Caller ID service, and you can use this product's other features without subscribing to either Caller ID or combined Caller ID with Call Waiting service.

There are fees for Caller ID services, and they may not be available in all areas.

This product can provide information only if both you and the caller are in areas offering Caller ID service, and if both telephone companies use compatible equipment.

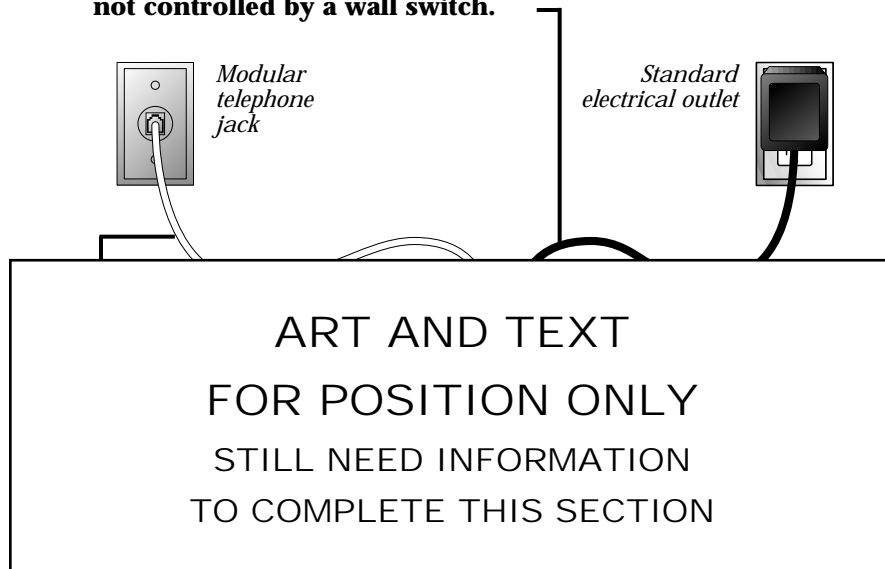
About Call History

This phone assigns each incoming call a number from 1 to 30. The most recent call will have the lowest number. When the memory is full, the oldest call information is deleted to make room for new incoming call information.

If you answer a call before call information appears on the screen, it will not be in the call history.

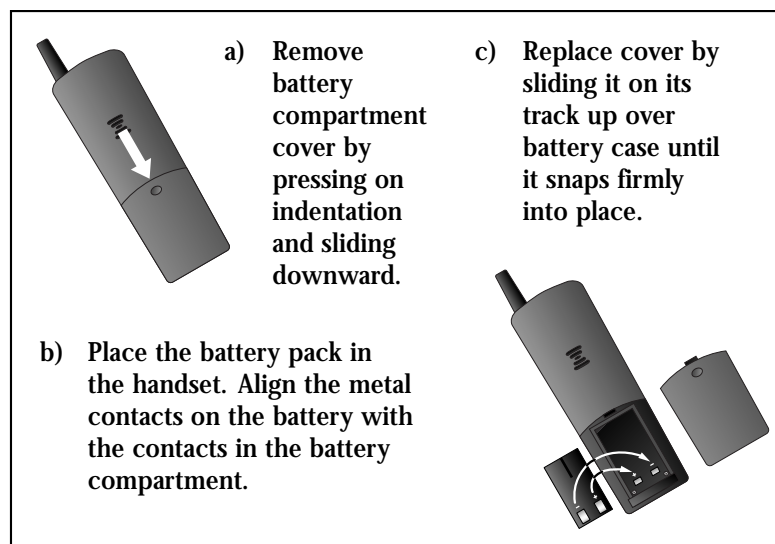
INSTALLATION

- 1 Connect the power cord to the base and an electrical outlet not controlled by a wall switch.**



-  Use only the power cord supplied with this product. If you need a replacement, call 1 800 222-3111.

- 3 Install the handset battery.**
Use only AT&T Battery 2401, SKU# 91077.



INSTALLATION

4 Charge the handset battery.

- Place the handset in the base (or a remote charging stand, purchased separately).
- Charge the battery at least 12 hours. After the first charge, the battery will quick charge in only eight hours.

5 Check for dial tone.

- After the batteries are charged, lift the handset and press **[PHONE]**; you should hear a dial tone.

Belt Clip

Attach belt clip to the cordless handset (*optional*).



Headset

You can use this telephone hands-free when you install a 2.5 mm headset (purchased separately).

Plug the headset into the jack located on the left side of the handset (under the small rubber flap). Do not force the connection, but make sure the plug fits securely.



FEATURE SETUP

Feature Setup Menu

When you set features marked with * you are setting the feature for BOTH handsets. All other features must be set separately at each handset.

Press **CANCEL** to return to the previous menu item.

NOTE: If you wait more than 30 seconds without pressing a key, the handset returns to the standby screen.

Handset Volume

Adjusting handset volume will not affect the volume of what the other party hears. Default setting is 3. You can also adjust volume during conversation by pressing **◀** or **▶**.

- 1 Press **SELECT**. The screen displays

```
>CALL LOG
PHONEBOOK
```

- 2 Press **2**. The screen displays

```
>HANDSET VOLUME
RING VOLUME
```

- 3 Press **SELECT**. The screen displays

```
>HANDSET VOLUME
■■■■
```

- 4 Use the keypad to enter a volume setting (0 - 7)
— OR —

Press **◀** or **▶** to display desired setting.

- 5 Press **SELECT** to save displayed setting.

Ring Volume

Adjust the volume of the handset ringer. Setting volume to 0 turns the ringer off. Default setting is 3.

- 1 Press **SELECT**.

- 2 Press **3**. The screen displays

```
>RING VOLUME
RING PATTERN
```

- 3 Press **SELECT**.

FEATURE SETUP

- 4 Use the keypad to enter a volume setting (0 - 6)
— **OR** —
Press ◀ or ▶ to display desired setting.
- 5 Press **SELECT** to save displayed setting.

Ring Pattern

The external ring pattern sets which ringer you hear when you have an outside call. The internal ring pattern sets which ringer you hear when you have an intercom call from the other handset. External ring pattern default setting is 0; internal ring pattern default setting is 1.

- 1 Press **SELECT**.
- 2 Press 4. The screen displays

>RING PATTERN
 AUTO ANSWER
- 3 Press **SELECT**.
- 4 Press ▶ then **SELECT** to set EXT RING PATTERN or INT RING PATTERN.
- 5 Use the keypad to enter a ring pattern selection (0 - 9)
— **OR** —
Press ◀ or ▶ to display desired setting. A sample of the displayed setting is played briefly.
- 6 Press **SELECT** to save displayed setting.

Auto Answer

When this feature is on, an incoming call is connected when you lift the handset from the base or the charger (you don't have to press **PHONE**). If the handset is not in the base or charger, you do have to press **PHONE** to answer a call, regardless of the setting. The default setting is OFF.

- 1 Press **SELECT**.
- 2 Press 5. The screen displays

>AUTO ANSWER
 KEY CLICK
- 3 Press ◀ to turn ON.
— **OR** —
Press ▶ to turn OFF.
- 4 Press **SELECT** to save the displayed setting.

FEATURE SETUP

Key Click

When this feature is on, each key press makes a sound, except when the keypad is locked. Default setting is ON.

- 1 Press **SELECT**.
- 2 Press **6**. The screen displays
- 3 Press **SELECT**.
- 4 Press **◀** or **▶** to display ON or OFF.
- 5 Press **SELECT** to save the displayed setting.

```
>KEY CLICK
KEY LOCK
```

Key Lock

When this feature is on, the keypad cannot be used to dial calls. You can still answer calls, but when the call is ended, the keypad lock is reactivated. The key lock icon is displayed on the screen when this feature is activated. The default setting is OFF.

NOTE: To make an emergency call when the keypad is locked, press **PHONE** then **9 1 1**. When the call is ended, the keypad lock is reactivated.

- 1 Press **SELECT**.
- 2 Press **7**. The screen displays
- 3 Press **SELECT**.
- 4 Press **◀** or **▶** to display ON or OFF.
- 5 Press **SELECT** to save the displayed setting.

```
>KEY LOCK
HANDSET NAME
```

Disable Key Lock

When the keypad is locked, press **SELECT**, **◀**, **SELECT** to turn off the lock.

FEATURE SETUP

Handset Name

You can customize the handset to display a name or word of your choice in place of the READY standby screen. The default setting is READY.

- 1 Press **SELECT**.
- 2 Press **8**. The screen displays

```
>HANDSET NAME
LANGUAGE
```

- 3 Press **SELECT**.
- 4 Use the chart on page XX to enter a handset name.
- 5 Press **SELECT** to save the displayed name.

Language Setting

You can set each handset so the display appears in English or Spanish. The default setting is English.

- 1 Press **SELECT**.
- 2 Press **9**. The screen displays

```
>ENGLISH
ESPANOL
```

- 3 Press **SELECT**.
- 4 Press **◀** or **▶** to select a language.
- 5 Press **SELECT** to save the displayed setting.

Clear Message Waiting*

If you subscribe to telephone company voice mail, and the message waiting indicator remains on even after you have reviewed all messages, follow the directions below to turn off the indicator.

- 1 Press **SELECT**.
- 2 Press **7 0**. The screen displays

```
>CLEAR MSG WAIT
DIALING
```

- 3 Press **SELECT**. The screen displays

```
CLEAR MSG WAIT
CONFIRM?
```

- 4 Press **SELECT** to confirm.

FEATURE SETUP

Set Dial Mode*

This phone comes set for touch tone (DTMF) dialing. If you have dial pulse (rotary) service, set the dial mode to PULSE.

- 1 Press **SELECT**.
- 2 Press **7 7**. The screen displays

```
>DIALING
FLASH TIME
```

- 3 Press **SELECT**. The screen displays

```
>DIAL METHOD
FLASH TIME
```

- 4 Press **SELECT**.
- 5 Press **◀** or **▶** to display DTMF or PULSE.
- 6 Press **SELECT** to save displayed setting.

Set Flash Time

Some phone systems require longer or shorter tones when sending touch tone signals. You can set the handsets to send a longer or shorter tone by following the directions below. The default setting is LONG.

- 1 Press **SELECT**, **#**.
- 2 Press **7 2**. The screen displays

```
>FLASH TIME
LONG
```

- 3 Press **◀** or **▶** to display LONG or SHORT.
- 4 Press **SELECT** to save displayed setting.

TELEPHONE OPERATION

Making a Call

- 1 Press **PHONE**, then dial the number — **OR** — Dial the number, then press **PHONE**.
- 2 Press **PHONE** again to end the call.

Answering a Call

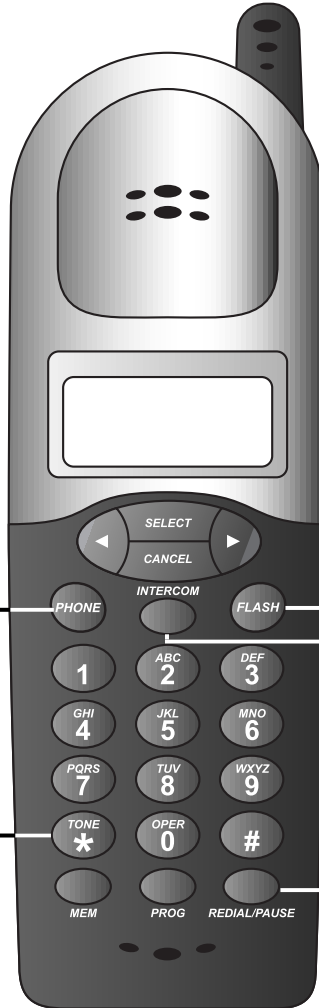
- 1 Press **PHONE** to answer a call.
- 2 Press **PHONE** again to end the call.

NOTE: If you have the Auto Answer feature turned on, you can answer a call by lifting the handset from the base or charger.

Temporary Tone Dialing

If you have dial pulse (rotary) service, you can change from dial pulse to touch tone dialing during a call by pressing **[X]**.

- 1 Make the call, and wait until it is connected.
- 2 Press **[X]**. Keys pressed after this send touch tone signals.
- 3 After you hang up, the phone automatically returns to tone service.



Flash/Call Waiting

- 1 Press **FLASH** to connect to the new call when you receive a call-waiting signal.
- 2 Press **FLASH** again to return to the original call.

NOTE: Use **FLASH** to access other phone company subscriber services, as described by your provider.

Intercom

- 1 Signal one handset from the other by pressing **INTERCOM**.
- 2 To respond, press **INTERCOM** on the second handset.

Redial

- 1 Press **REDIAL** to call the last number (up to 24 digits) dialed from either handset.
- 2 Press **PHONE** to end the call.

TELEPHONE OPERATION

Page/Handset Locator

Page the handsets from the base by pressing **[PAGE/HANDBSET LOCATOR]**. The handsets will sound a repeating tone. Cancel the page by pressing any key on the handset, or wait 30 seconds.



Transferring a Call

You can transfer a call from one handset to the other.

- 1 Press **[INTERCOM]** (your call is put on hold) to signal the second handset.
- 2 At the second handset, press **[PHONE]** to take the call.
- 3 Place the first handset in the base or charger, or press **[PHONE]**.

Forwarding a Call

You can forward the call to the second handset.

- 1 Press **[INTERCOM]** (your call is put on hold), then press **[PHONE]**. The call is sent to the second handset, and disconnected at the first.
- 2 At the second handset, press **[PHONE]** to take the call.
- 3 If the second handset does not pick up the call, it's sent back to the first handset. The screen displays ??.
- 4 Press **[PHONE]** to reconnect the first handset to the call
— **OR** —
The call is automatically reconnected to the first handset in 20 seconds.

Conference Calling

- 1 If one handset is already on a call, you can connect the second handset to the call by pressing **[PHONE]**.
- 2 Disconnect either or both handsets by pressing **[PHONE]**.

Mute

- 1 During a telephone conversation, mute the handset microphone by pressing **[CANCEL]**. The other party will be unable to hear anything on your end.
- 2 To return to two-way conversation, press **[CANCEL]** again.

TELEPHONE PHONE BOOK

This telephone can store up to 20 telephone numbers and names.

Storing a Number and Name in Phone Book

- 1 Press **MEM**.
- 2 Press **PROG**.
- 3 Enter the telephone number (up to 24 digits).

FOR POSITION ONLY
We need a screen
illustration here.

- 4 Press **PROG**.
- 5 Enter a name connected with this number, using the chart below.

FOR POSITION ONLY
We need a screen
illustration here.

- 6 Press **MEM**.
- 7 Enter a location number (01 - 20).

FOR POSITION ONLY
We need a screen
illustration here.

- 8 Begin at **Step 2** to enter another telephone number and name
— **OR** —
Press **CANCEL** to exit.

Dial Key	Presses								
	1	2	3	4	5	6	7	8	9
[1]	space	1							
[2]	A	B	C	2	a	b	c		
[3]	D	E	F	3	d	e	f		
[4]	G	H	I	4	g	h	i		
[5]	J	K	L	5	j	k	l		
[6]	M	N	O	6	m	n	o		
[7]	P	Q	R	S	7	p	q	r	s
[8]	T	U	V	8	t	u	v		
[9]	W	X	Y	Z	9	w	x	y	z
[0]	0								
[*]	*	?	!	/	()			
[#]	#	'	,	-	.				

TELEPHONE PHONE BOOK

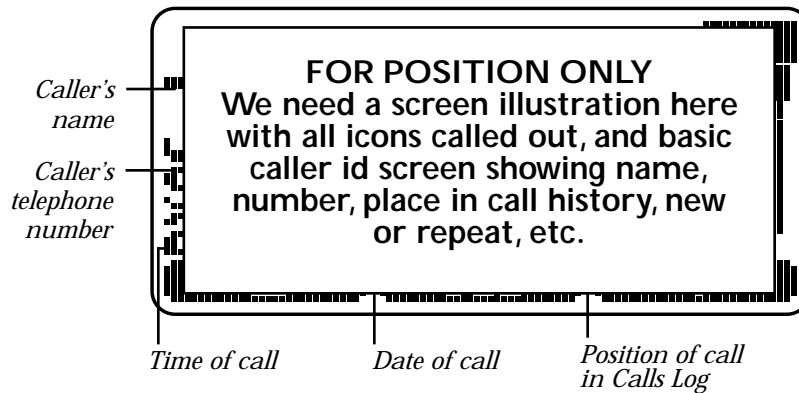
Dialing a Number in Phone Book

- 1 Press **MEM**.
- 2 Enter the memory location number (01 - 20)
— **OR** —
Press **◀** or **▶** to scroll through memory locations.
- 3 Press **PHONE** to dial the displayed number.

Editing/Deleting a Number in Phone Book

- 1 Press **SELECT** **▶** **SELECT**.
- 2 Press **◀** or **▶** to scroll through memory locations.
- 3 Press **CANCEL** to erase a digit
— **OR** —
Press and hold **CANCEL** to delete entire telephone number.

CALLER ID OPERATION



Reviewing Call History

- 1 Press **SELECT** twice. The screen displays the most recent call in call history (call 1 is the most recent call).

FOR POSITION ONLY
We need a screen illustration here.

- 2 Press **◀** or **▶** to scroll through call history.

Removing Call Records

Removing a Specific Call Record

- 1 Press **SELECT** twice. The screen displays the most recent call in call history (call 1 is the most recent call).

FOR POSITION ONLY
We need a screen illustration here.

- 2 Press **◀** or **▶** to scroll through call history.
- 3 Press and release **CANCEL** to delete the displayed call record.

Removing All Call Records

- 1 Press **SELECT** twice.
- 2 Press and hold **CANCEL**. The screen displays **DELETE ALL?**
- 3 Press **SELECT** to delete all call records
— **OR** —
Press **CANCEL** to exit without deleting.

CALLER ID OPERATION

Storing a Call Record in Phone Book

You can store a number received by Caller ID in the Telephone Phone Book.

- 1 Press **SELECT** twice. The screen displays the most recent call in call history (call 1 is the most recent call).
- 2 Press **◀** or **▶** to scroll through call history.
- 3 Press **SELECT** to store displayed number in phone book.

Display Dial

Press **PHONE** to dial a number displayed in call history.

Dialing Options

Press **REDIAL** until the screen displays the number the way you want to dial it.

For example: 1-908-555-1212
 908-555-1212
 1-555-1212
 555-1212

The number of dialing options available for each call displayed depends on the format of the original call.

ART AND TEXT
FOR POSITION ONLY
STILL NEED INFORMATION
TO COMPLETE THIS SECTION


BATTERIES

Battery Life

Battery life depends on how far the handset is from the base, and other environmental conditions.

NOTE: *For optimum performance, charge your handset on the base or charger every night.*

Charge the Handset Battery Pack

- This battery should remain charged for up to five days. A fully charged battery provides an average talk time of about six to eight hours.
- The battery pack needs charging when:
 - The battery icon () flashes,
 - A warning tone sounds, or
 - The screen displays **LOW BATTERY** when idle.
- Place the handset in the base or charger so the **CHARGING** light goes on. The battery pack is typically charged in eight hours. For best results, the initial charge should be twelve hours.
- You can keep the battery fully charged by returning the handset to the base or charger after each use.
- If you repeatedly get a Low Battery indicator, even after eight hours of charging, the battery should be replaced. Use only AT&T Battery 2401, SKU# 91077.

CAUTION: Charge the battery provided with or identified for use with this product only in accordance with the instructions and limitations specified in the User's Manual, Part 1.

Spare Battery

This phone is equipped with a built-in spare battery charger in the base unit. The spare battery charger allows you to always have a charged battery available should the handset battery charge become low.

NOTE: *Do not switch the battery while on a call.*

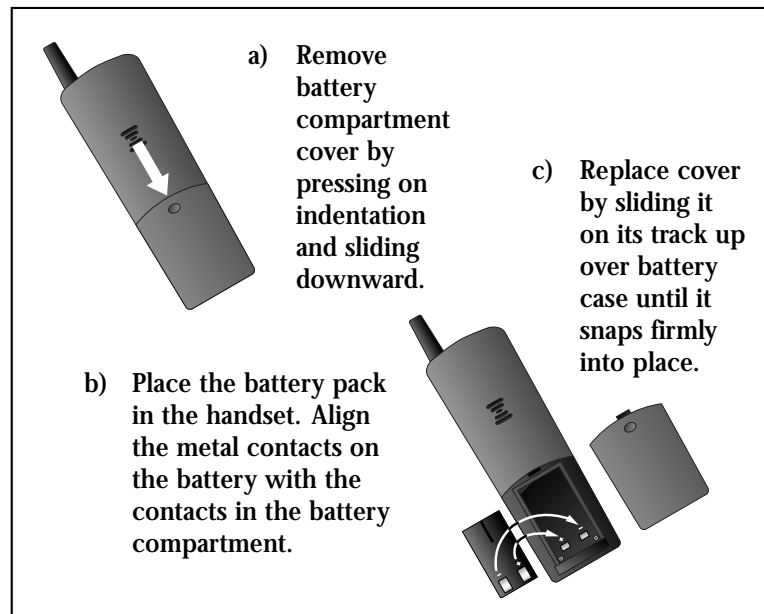
- 1 Press the release button on the bottom of the base unit to open the spare battery compartment drawer.
- 2 Place the battery pack (AT&T Battery 2401, SKU# 91077, purchased separately) in the drawer, with the charge contacts facing up and to the left.
- 3 Push the drawer closed.
- 4 The spare battery takes 24 hours to fully charge.

BATTERIES

ART AND TEXT
FOR POSITION ONLY
STILL NEED INFORMATION
TO COMPLETE THIS SECTION

Replace the Handset Battery Pack

- 1 Install the handset battery.**
Use only AT&T Battery 2401, SKU# 91077.
- 2 Charge the handset battery.**
 - Place the handset in the base or charger.
 - Charge the battery at least 12 hours. After the first charge, the battery will quick charge in only eight hours.



Power Fail Operation

You can use your cordless phone during a power outage when a fully charged battery is installed in the base unit (see "Spare Battery"). This battery will provide enough power for you to make and receive calls for up to five hours.

***NOTE:** When using the spare battery backup power, audio quality may be somewhat reduced.*

IN CASE OF DIFFICULTY

section not complete

If you have difficulty operating this phone, try the suggestions below. For Customer Service, visit our website at www.telephones.att.com or call 1 800 222-3111. **Please retain your receipt as your proof of purchase.**

If the phone does not work at all, check these items first:

- Make sure the power cord is plugged into the base and an electrical outlet not controlled by a wall switch.
- Make sure the telephone line cord is plugged firmly into the base unit and the telephone jack.
- Make sure the battery pack is installed correctly.
- If the screen displays **LOW BATTERY**, place the handset in the base or charger and charge for at least eight hours.
- If the battery does not charge after eight hours, replace it with AT&T Battery 2401, SKU# 91077.

If the above suggestions do not solve the problem, try re-initializing the handset and base (see "To re-initialize the handset and base" below).

If you have no dial tone:

Check all the previous suggestions. If you still do not hear a dial tone, disconnect the phone and try another phone in the same jack. If there is no dial tone on that phone either, the problem is probably in your wiring or local service.

If you hear a two-beep signal when you try to use the handset:

- The handset and base are not communicating properly. You might be out of range. Move closer to the base and try again.
- If moving closer to the base does not help, follow the directions below to re-initialize the handset and base.

To re-initialize the handset and base:

- 1** Disconnect the power to the base.
- 2** Remove the handset battery pack.
- 3** Wait at least 15 seconds.
- 4** Insert the handset battery pack.
- 5** Connect the power to the base.
- 6** Put the handset in the base to re-initialize.
- 7** Wait for handset to display **FOUND BASE**.

IN CASE OF DIFFICULTY

section not complete

If you hear noise or interference when using the phone:

- You may be out of range. Move closer to the base.
- Household appliances plugged into the same circuit as the base can sometimes cause interference. Try moving the appliance or the base to another outlet.
- The layout of your home or office may be limiting the operating range. Try moving the base to another location, preferably on an upper floor.

If the phone does not ring when you receive a call:

- Make sure the ringer is on.
- Make sure the telephone line cord is connected firmly to the base and the telephone jack.
- Make sure the AC adapter is plugged firmly into an electrical outlet not controlled by a wall switch.
- You might be too far from the base; move closer.
- You might have too many extension phones on your telephone line to allow all of them to ring. Try unplugging some of them.

If your telephone misdials:

- If you have dial pulse (rotary) service, you'll need to set the Dial Mode to PULSE. Follow the instructions under "Set Dial Mode" in the FEATURE SETUP section of this manual.
- If you have touch tone service and you hear clicks while you are dialing, you'll need to set the Dial Mode to DTMF. Follow the instructions under "Set Dial Mode" in the FEATURE SETUP section of this manual.

If the caller's name or phone number is not displayed:

- Make sure you subscribe to a Caller ID service from your local telephone company.
- Make sure the battery is charged.
- Caller ID service might not work when the phone is connected to a Private Branch Exchange (PBX).

If the caller's name or phone number is not displayed during Call Waiting:

- You should call your service provider to confirm that you subscribe to a combined Caller ID with Call Waiting service.
- The Caller ID with Call Waiting feature is inactive during a power interruption.
- Make sure the battery is charged.