



User Manual (Part 2)

2.4 GHz Cordless Telephone 1445/1145

with Caller ID & Call Waiting



**You must install and
charge the battery before
using the telephone**

STOP!

**See page 7
for easy instructions**



For customer service or product
information, visit our web site at
www.telephones.att.com
or call 1-800-222-3111

**Please also read
Important Product Information
Enclosed in product package**



CAUTION: To reduce the risk of fire or injury to persons or damage to the telephone, read and follow these instructions carefully:

- Use only Replacement Battery 2422 (SKU# 23402).
- Do not dispose of the battery in a fire. Like other batteries of this type, it could explode if burned. Check with local codes for special disposal instructions.
- Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause harm.
- Charge the battery provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.
- Observe proper polarity orientation between the battery and battery charger.

Do not disassemble your telephone. There are no user-serviceable parts inside. Refer for servicing to qualified service personnel.

User Manual (Part 2)

2.4 GHz Cordless Telephone I445/I145

with Caller ID & Call Waiting



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Getting Started

Quick reference guide

Handset

Hold

Press to place a call on hold. Press again to resume your call.

Phone/Flash

Press to begin a call, then dial a number.
During a call, press to receive an incoming call, if Call Waiting is activated (see page 13).

Off

During a call, press to hang up.
During programming, press to stop without making changes.

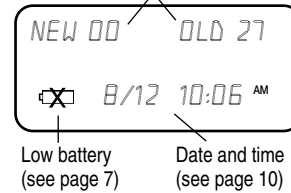
Chan/Delete

If call is noisy or unclear, press to switch to a clearer channel.
Press and hold to delete all Caller ID entries.

Prog

Press to customize the telephone's operation (see page 10).

Incoming calls (see page 20)



Low battery
(see page 7)

Date and time
(see page 10)

Select

Press to store a programming option (see page 10), or to store a directory entry in memory (see page 17).

Volume/Function

During a call, press to adjust listening volume.

While programming, press to change menu item or value (see page 10).

Press **DIR** when phone is not in use to display phone book entries (see page 18). While entering or modifying names, press to advance cursor.

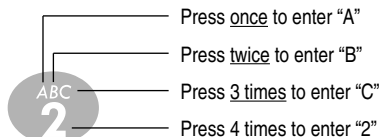
Press **CID** when phone is not in use to display Caller ID information (see page 21). While entering numbers or letters, press to delete last character entered.

Redial/Pause

Press to redial last number called.

While dialing or entering numbers into your phone directory, press to insert a 4-second dialing pause (see page 17).

Using the dial pad to enter letters (see page 17)



Getting Started

Quick reference guide

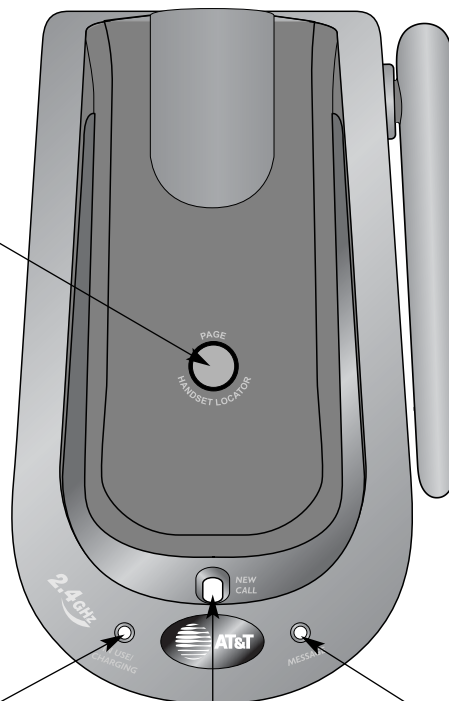
Telephone Base

PAGE/ HANDSET LOCATOR

Press to locate handset
if lost (see page 14).

ANTENNA

Swivel fully upright for
best results.



IN USE/CHARGING

Steady: Handset battery is charging.
Flashing: Phone is in use, or call is
on hold.

MESSAGE

Flashes when you have new voice
mail (requires voice mail service
from your local telephone company).

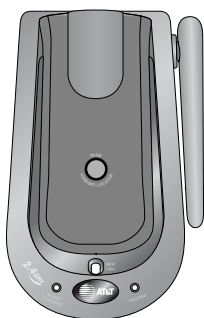
NEW CALL

If you have Caller ID service: On
when new calls have been received;
off when all new Caller ID records
have been reviewed (see page 20).

Getting Started

Parts checklist

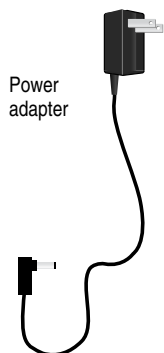
Remember to save your sales receipt and original packaging in case you ever need to ship your telephone for warranty service. Check to make sure the telephone package includes the following:



Telephone base



Telephone handset



Power adapter



Belt clip



Battery pack



Long line cord



Short line cord

Getting Started

Before you begin

About Caller Identification

Caller ID with Call Waiting features in this telephone let you see who's calling before you answer the phone, even when you're on another call. These features require services provided by your local telephone company.

Contact your telephone 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 phone with regular Caller ID service, and you can use its other features without subscribing to either Caller ID or combined Caller ID with Call Waiting service. There may be fees for these services, and they may not be available in all areas.

Caller ID features will work only if both you and the caller are in areas offering Caller ID service, and if both telephone companies use compatible equipment.

See Caller ID Operation, beginning on page 20, for more details about how these features work.

Telephone operating range

This cordless telephone operates with the maximum power allowed by the Federal Communications Commission (FCC). Even so, this handset and base can communicate over only a certain distance — which can vary with the locations of the base and handset, the weather, and the construction of your home or office. For best performance, keep the base antenna fully upright.

If you receive a call while you are out of range, the handset might not ring — or if it does ring, the call might not connect when you press **PHONE**. Move closer to the base, then press **PHONE** to answer the call.

If you move out of range during a phone conversation, you might hear noise or interference. To improve reception, move closer to the base.

If you move out of range without pressing OFF, your phone will be left "off the hook." To hang up properly, walk back toward the telephone base, periodically pressing **OFF** until the call is disconnected.

Getting Started

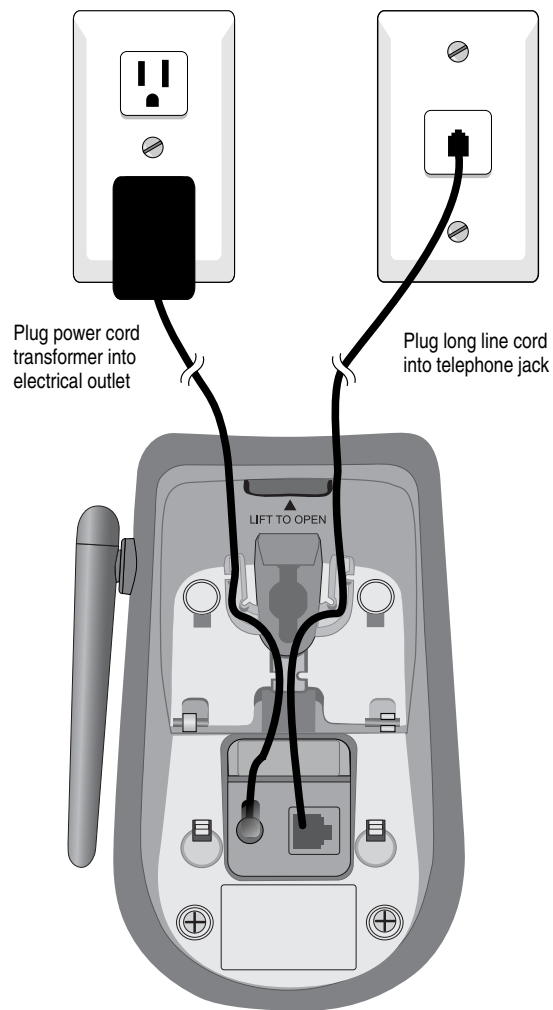
Telephone base installation

Install the telephone base as shown below. Choose a location away from electronic equipment, such as personal computers, television sets or microwave ovens. Avoid excessive heat, cold, dust or moisture.



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

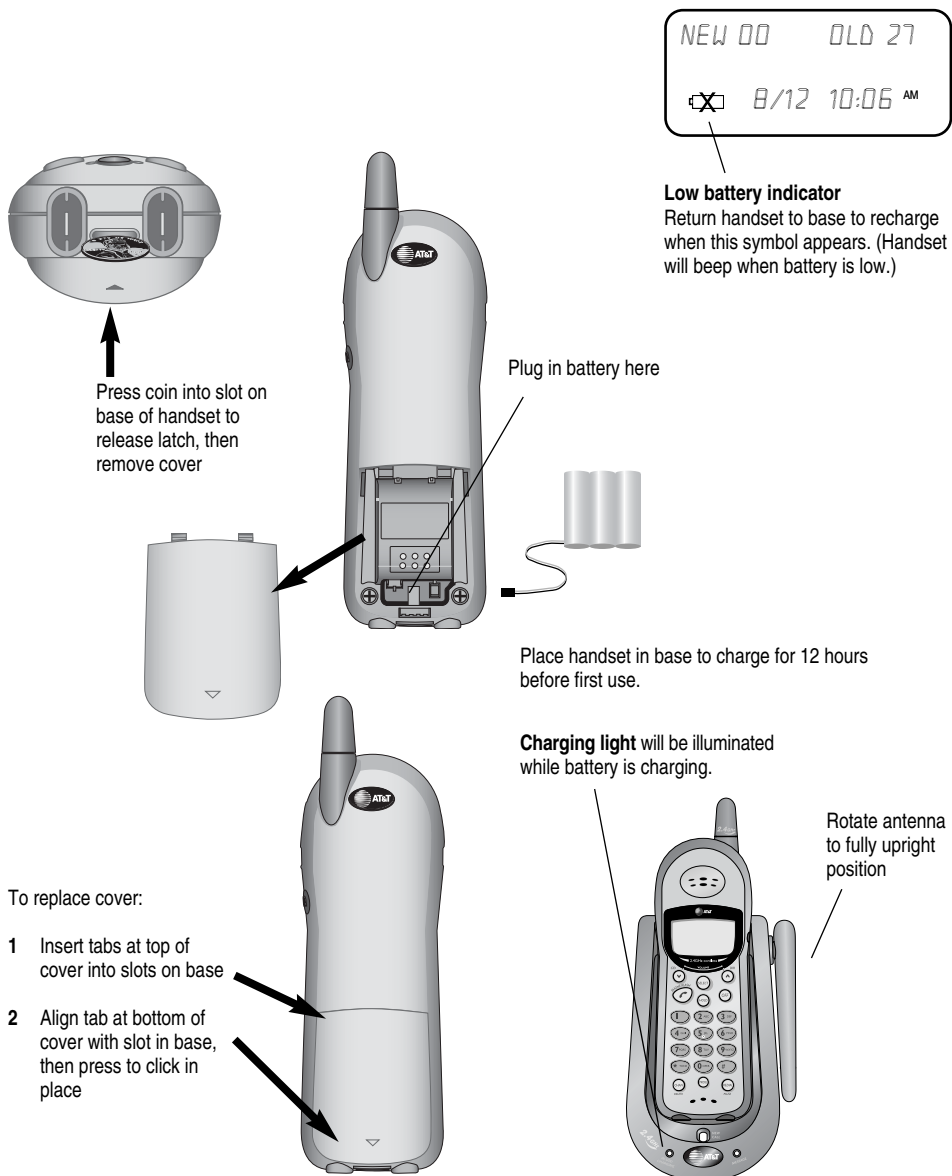
Be sure to use an electrical outlet not controlled by a wall switch.



Getting Started

Battery installation & charging

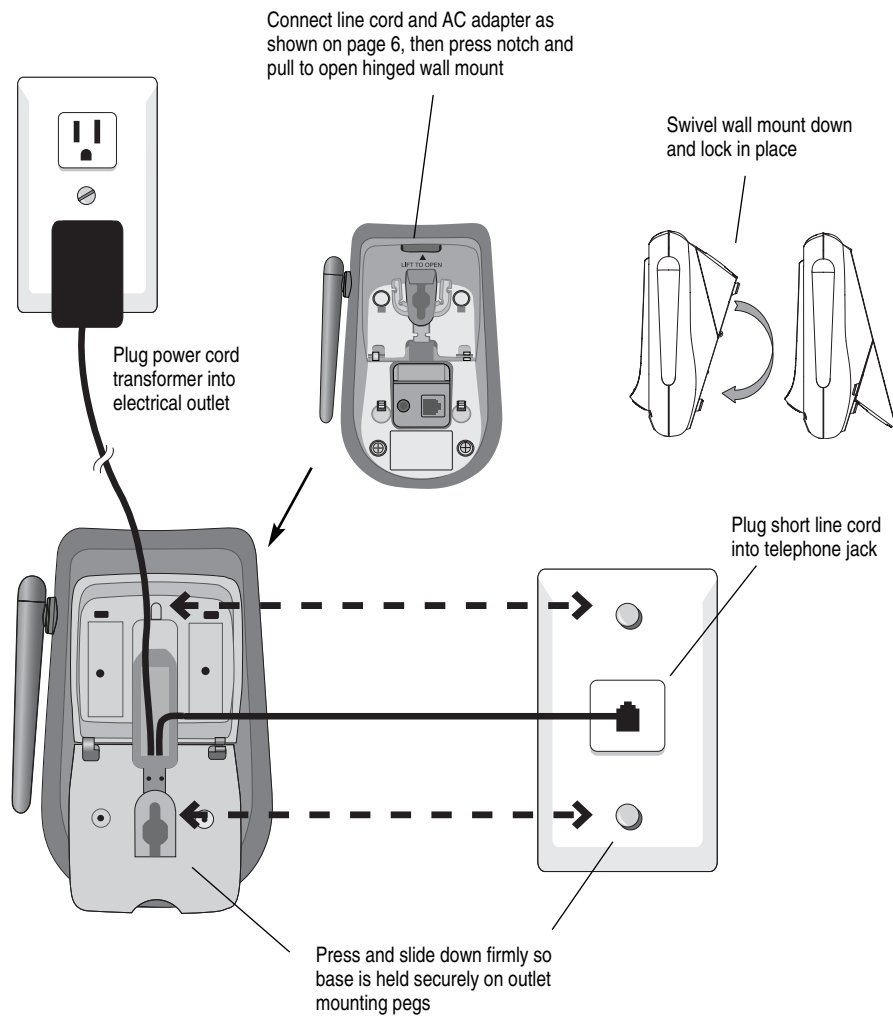
After installation, place the handset in the base and allow the battery to charge for 12 hours before use. You can keep the battery charged by returning the handset to the base after each use. When battery power is fully depleted, a full recharge takes about 8 hours.



Getting Started

Wall mounting

The telephone base can be installed on any standard wall-phone outlet as shown below. Choose a location away from electronic equipment, such as personal computers, television sets or microwave ovens. Avoid excessive heat, cold, dust or moisture.

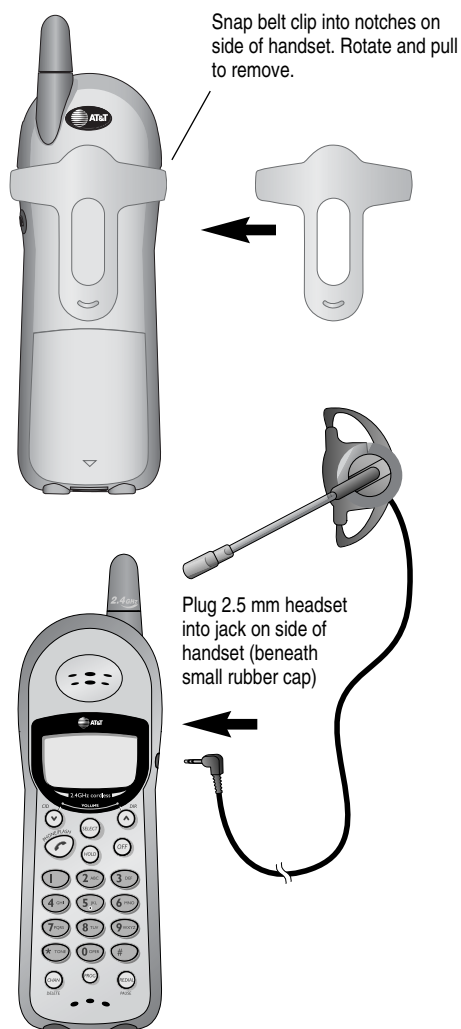


Getting Started

Belt clip & optional headset

Install belt clip as shown below if desired.

For hands-free telephone conversations, you can use any industry standard 2.5 mm headset (purchased separately). For best results use an AT&T 2.5 mm headset.





Press **PROG**
to begin programming

Press **▲** or **▼** to display
features one by one

Press **SELECT** to modify a
displayed feature

To stop at any time, press **OFF**

Telephone Operation

Customizing your telephone

Follow the steps below to program the telephone. To stop at any time, press **OFF**. If the phone rings, programming stops automatically so you may answer the call.

Choose ring sound

- 1 Press **PROG** to begin programming.
- 2 Press **▲** until screen displays *RINGER* & setting.
- 3 Press **SELECT** to change current setting:

RINGER: 1

Default setting: 1

- 4 Press **▲** to display 1, 2, 3, 4 or OFF. You will hear a sample of each ringing type.
- 5 Press **SELECT** to select displayed ringing type and exit.

Set handset display date and time

- 1 Press **PROG** to begin programming.
- 2 Press **▲** until screen displays *DATE/TIME*.
- 3 Press **SELECT** to view or change date and time:

DATE/TIME

1/01 12:00 AM

Default setting:
1/01 12:00 AM

- 4 Press **▲** or **▼** to change month, then press **SELECT**.
- 5 Repeat Step 4 to set day, hour, minute, and AM/PM.
- 6 Press **SELECT** to save selection and exit.



NOTE: You can choose to set the time manually, or you can allow it to be set automatically with incoming Caller ID information. The time will be set automatically only if you subscribe to Caller ID service provided by your local telephone company (see page 5).



Telephone Operation

Customizing your telephone

Choose dial mode

- 1 Press **PROG** to begin programming.
- 2 Press **▲** until screen displays *DIAL MODE* & setting.
- 3 Press **SELECT** to change current setting:

DIAL MODE: TONE

Default setting: Tone

- 4 Press **▲** to display TONE or PULSE.
- 5 Press **SELECT** to select displayed dial mode and exit.

Choose language

- 1 Press **PROG** to begin programming.
- 2 Press **▲** until screen displays *LANGUAGE* & setting.
- 3 Press **SELECT** to change current setting:

LANGUAGE: ENGLISH

Default setting: ENGLISH

- 4 Press **▲** to display ENGLISH, ESPANOL or FRENCH.
- 5 Press **SELECT** to select displayed language and exit.

Clear "Message Waiting" alert

- 1 Press **PROG** to begin programming.
- 2 Press **▲** until screen displays *LIGHT OFF* & setting.
- 3 Press **SELECT** to change current setting:

LIGHT OFF: YES

- 4 Press **▲** to display YES or NO.
- 5 Press **SELECT** to select desired setting and exit.



Telephone Operation

Making and answering calls

Making and answering calls

To answer an incoming call, press any key except **OFF**.
To make a call, press **PHONE**, then dial a number. Press **OFF** to hang up.

To preview numbers before dialing, enter numbers first, then press **PHONE** to dial. Press **✓** at any time to make corrections as you are entering numbers.

Speed dialing & directory dialing

To use speed dialing, press and hold a dial pad button (1-9) to display the number stored in that speed-dial location, then press **PHONE** to dial the number.

To use directory dialing, press **DIR**, scroll or search to find the number you want, then press **PHONE** to dial the number. (See pages 15-19 to enter, edit or search for listings in your phone directory.)

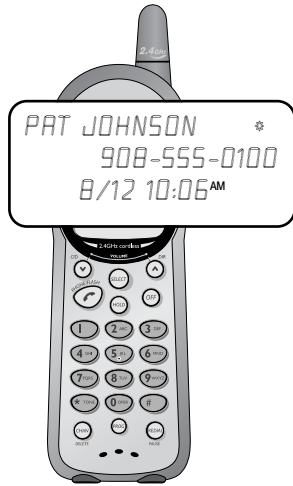


Last number redial

Press **REDIAL** on the handset to display the last number called. To dial the number displayed, press **PHONE**. To delete this number, press **REDIAL** again. This will clear the redial memory and leave it blank.

Ring silencing

Press **OFF** while the phone is ringing to silence the ringer without disconnecting the call.



Telephone Operation

Options while on calls

Caller ID

If you have Caller ID service, the caller's number will appear on the display screen after the first ring (see page 20 for additional Caller ID features and options).

Call waiting

If you have Call Waiting service, you will hear a beep if someone calls while you are already on a call. Press **PHONE** to put your current call on hold and take the new call. You can press this button at any time to switch back and forth between calls.

Hold

Press **HOLD** to place a call on hold. Press **HOLD** again to resume the call.

To adjust listening volume

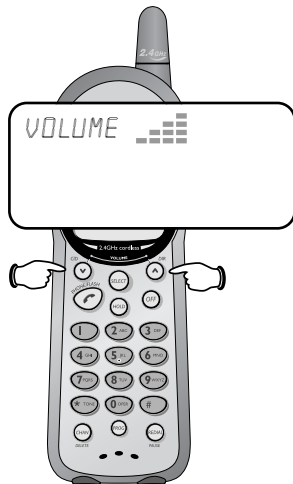
During a call you can press **▲** to increase or **▼** to decrease the listening volume.

If sound is unclear

If noise or static disrupts a call, press **CHAN** to scan for a clearer radio channel between handset and base.

Temporary tone dialing

If you have dial pulse (rotary) service, you can switch to touch tone dialing during a call by pressing ***7**. This can be useful if you need to send tone signals for access to answering systems or long-distance services.

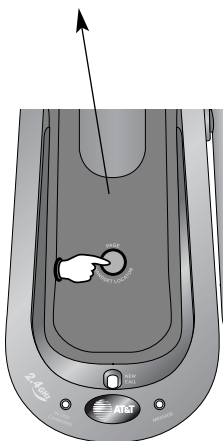


Telephone Operation

Handset locator

Handset locator

If the handset is misplaced, press the **PAGE/HANDSET LOCATOR** button in the handset cradle on the base. The handset will beep for 60 seconds to help you find it. When the handset is found, press **OFF** to stop the beeping (or press the **PAGE/HANDSET LOCATOR** button on the base).





Directory Dialing

Directory dialing

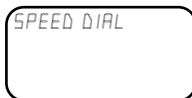
The telephone directory in the handset can store up to 50 names and telephone numbers. Each entry can contain a number up to 24 digits, and a name up to 15 letters long. A convenient search feature can help you find and dial numbers quickly (see pages 16-19).

Speed dialing

The first nine memory locations (1 through 9) are reserved for numbers you dial frequently. These numbers can be dialed with two button presses (see next page).

Error tones

If all memory locations are in use, an error tone will sound when you attempt to enter a number. This means the memory is full, and you will not be able to store a new number until you delete an existing one.

1  **PROG****2**  **3**  **SELECT**


(See Steps 3-7 on next page.)

Directory Dialing**Speed dialing**

Numbers called most frequently can be stored in memory locations 1-9 and dialed with only two button presses.

You can enter 9 Speed Dial numbers up to 24 digits long. Each number is stored in a one-digit memory location (1-9).

To enter a Speed Dial number

- 1 Press **PROG** to begin programming.
- 2 Press  to display *SPEED DIAL*.
- 3 Press **SELECT**.
- 4 Press dial pad to choose memory location (1-9).
- 5 Enter a name (up to 15 characters), then press **SELECT**.
- 6 Enter a telephone number (up to 24 digits), then press **SELECT**.
- 7 Choose distinctive ringing (yes or no).
- 8 Press **PROG** or **SELECT** to store the number. You will hear a confirmation tone.


To call a Speed Dial number

To use speed dialing, press and hold a dial pad button (1-9) to display the number and name stored in that speed-dial location, then press **PHONE** to dial the number.



NOTE: To view another Speed Dial number, Press "OFF". Follow the instruction "To call a Speed Dial Number" to display another Speed Dial number.


To change or delete a Speed Dial number

Press and hold a dial pad button (1-9) to display the entry you want. Press **SELECT**, then press  until the option you want is displayed (see page 19).

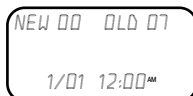
1  **PROG**

2  **SELECT**

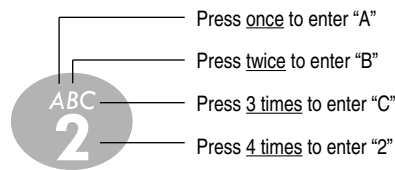
3 



4  **SELECT**

5 

6  **SELECT**



7  **SELECT**

Directory Dialing**Entering names into directory****To enter a name**

Press dial pad buttons once for the first letter, twice for the second, three times for the third, as shown in the example below. To enter a number, continue pressing the button until the number appears.



The cursor moves to the right when you press another dial pad button or the  button. Press  twice to enter a space. When the name is complete, press **SELECT**.


Options while entering names:

- Press  to erase letters if you make a mistake.
- Press  repeatedly to enter an ampersand (&), apostrophe ('), comma (,) hyphen (-), period (.), or pound sign (#).


To enter a number

Use the dial pad to enter up to 24 digits. When the number is complete, press **SELECT**.

Options while entering numbers:

- Press  to erase numbers if you make a mistake.
- Press **REDIAL/PAUSE** to enter a 4-second dialing pause.

To assign a distinctive ring

Press  to select Y (yes) or N (no). If you choose Yes (and if you have Caller ID service), a different ringing style will alert you when this person calls.

Press **SELECT** to choose the option displayed (Y or N) and store this entry in the directory.

1  **DIR****2**  

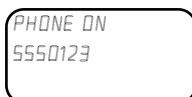
To display first listing



To scroll name by name



To search alphabetically





To dial this number

Directory Dialing**Directory name search**

Follow the steps at left to browse through the telephone directory, or search to find a specific entry. You can press **OFF** at any time to exit the directory.


To browse through the directory

To browse, press  or  to scroll through all listings one by one.



NOTE: "D" will appear in the display if the entry has been assigned distinctive ring (see page 17).

To search alphabetically

To shorten your search, use the telephone dial pad to enter the first letter of a name, then press  to scroll forward until you find the name you want.

Press dial pad buttons once for the first letter, twice for the second, three times for the third, as shown below.



.....Find names beginning with "A"



.....Find names beginning with "B"



.....Find names beginning with "C"



.....Find names beginning with "D"



.....Find names beginning with "E"




.....Find names beginning with "F"

To call a displayed number

When you find the listing you want, press **PHONE** to dial. Or press **SELECT** to display other options (see next page).

1  **DIR**

 DIRECTORY
2  

 ADAM
5551234
3  **SELECT**

 SPEED EDIT ERASE
5551234



 SPEED EDIT ERASE
5551234

 SPEED EDIT ERASE
5551234

Press **SELECT** to
choose blinking option


Directory Dialing**To move, edit or delete a listing**

When any listing is displayed, press **SELECT** to see options. Press  or  to highlight the option you want (blinking text), then press **SELECT** again to select it.


To move a listing

When *SPEED* is blinking, press **SELECT**, then dial a memory location (1-9) to transfer this entry to your Speed Dial directory.


To edit a listing

Press  until *EDIT* is blinking, then press **SELECT**. You can change the name, number or distinct ring setting by following the steps described on page 17.

To delete a listing

Press  until *ERASE* is blinking, then press **SELECT** to display a confirmation screen (*ERASE NO YES*).

To delete the listing, press  to highlight **YES**, then press **SELECT**.

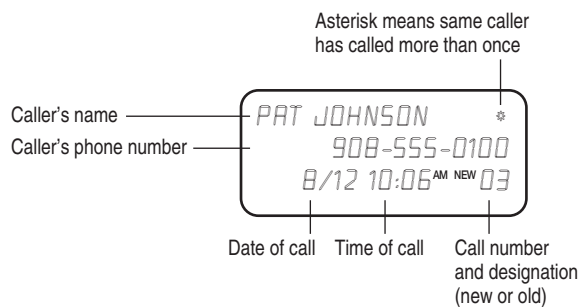
To abort the procedure and leave the listing intact, press  to highlight **NO**, then press **SELECT**.



Caller ID Operation

How Caller ID works

If you subscribe to Caller ID service provided by your local phone company, information about each caller will be displayed after the first ring.



Information about the last 90 incoming calls is stored in your call log. You can review the call log to find out who has called, return the call without dialing, or transfer the caller's name and number into your phone directory.

Each incoming call is numbered. The most recent call is assigned the highest number. When the call log is full, the oldest call information is deleted to make room for new incoming call information.

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

Display screen messages

<i>PRIVATE NAME</i>	Name of caller is not revealed at caller's request.
<i>PRIVATE CALLER</i>	Name and telephone number of caller are not revealed at caller's request.
<i>UNKNOWN NAME</i>	Your phone company is unable to determine caller's name.
<i>UNKNOWN CALLER</i>	Your phone company is unable to determine caller's name and telephone number.

1  **CID**

PAT JOHNSON
908-555-0100
8/12 10:06 AM NEW 03

2  

CHRIS WILLIAMS
908-555-1234
8/12 9:53 AM NEW 02

3  

MARK CLAYTON
908-555-5678
8/12 9:12 AM NEW 01

4  **PHONE**



PHONE ON
9085555678

To dial this number

Caller ID Operation**To review your call log**

When the phone is not in use, press **CID** to display information about the most recent caller.

To review your call log

Press  to scroll backward (display older calls) or  to scroll forward (display newer calls). The highest call number is the most recent call received.

To return a call


Press **PHONE** to call the person currently displayed (see page 22 for important dialing options).

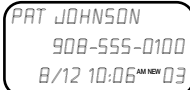

Other options

Press **SELECT** at any Caller ID screen to see options (Dial or Program; see pages 22-24).

New and Old calls

Each screen of information is designated New until you have read it by reviewing the Call Log. Each screen you display is then designated Old.

1  **CID**

2  **PHONE**

Or**1**  **CID**

2  **#**

3  **PHONE**

Caller ID Operation**To dial a call log entry**

When any Caller ID screen is displayed, press **PHONE** to dial the number exactly as it appears on the screen.

Dialing options

Caller ID numbers may appear with an area code that may not be required for local calls.

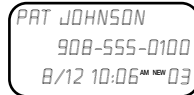
If the number displayed is not in the correct format, you can change how it is dialed. Press **#** repeatedly to see dialing options. With each button press a new option will be displayed. Press **PHONE** to dial when the number appears in the proper format for your area.

Example:

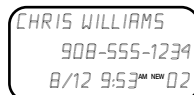
CIDNumber displayed as 908-555-0100

#Number changes to 555-0100 (drops "1" + area code)

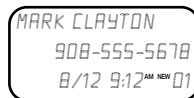
PHONEDials 555-0100

1  **CID**


PAT JOHNSON
908-555-0100
8/12 10:06 AM NEW 03

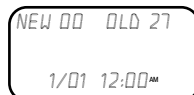
2  


CHRIS WILLIAMS
908-555-1234
8/12 9:53 AM NEW 02

3  **CHAN/DELETE**


MARK CLAYTON
908-555-5678
8/12 9:12 AM NEW 01

Or




NEW 00 OLD 27
1/01 12:00 AM

1  **CHAN/DELETE**


ERASE ALL NO YES

2  


ERASE ALL NO YES

3  **SELECT**


NEW 00 OLD 00
1/01 12:00 AM

Call log cleared

Caller ID Operation

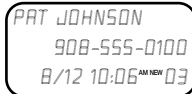
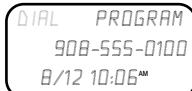
To delete call log entries

To delete a single call log entry

Press **CID**, to display the first Caller ID listing. Use the up/down arrow keys to find the entry you want to delete, then press **CHAN/DELETE**. When the entry is deleted, the next oldest record is displayed.

To delete all call log entries

To clear your call log completely, press and hold **CHAN/DELETE** while the phone is idle (not in use). This will display a confirmation screen asking if you want to erase all entries in the Caller ID log. If you select **YES**, the call log will be cleared and the screen will return to normal standby display, showing no old or new calls.

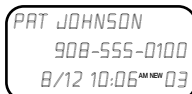
1  **CID**

2  **SELECT** 

3  **SELECT**


Edit name as desired

4  **SELECT**


Edit number as desired


5  **SELECT**

6  **SELECT**


Entry added to phone directory

Caller ID Operation**To add entries to phone directory**

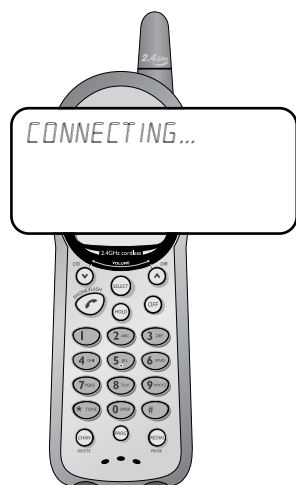
When any Caller ID screen is displayed, follow the steps at left to enter it into your phone directory.

Both the caller's name and telephone number will be entered as they appear in the call log. At steps 3-4, you can make any changes to the name or number by using the  button to erase characters, or using the dial pad to enter new ones (see page 17 for instructions).

When the number is stored, the screen returns to the call log display. The entry copied to your phone directory remains in the call log until deleted.

Appendix

Display screen messages, lights and tones



Screen display messages




<i>CONNECTING...</i>	The handset is waiting for a dial tone.
<i>** RINGING **</i>	There is a call coming in.
<i>** PAGING **</i>	The handset locator has been activated (handset beeps to help you locate it).
<i>NEEDS RECHARGING</i>	Handset battery is depleted. Place handset in base to charge the battery.
<i>BATTERY LOW</i>	Handset battery is low. Place handset in base to charge the battery.
<i>PHONE ON</i>	The handset is in use.
<i>MESSAGES WAITING</i>	You have new voice mail (requires voice mail service from local telephone company)
<i>RINGER OFF</i>	The handset ringer is turned off.
<i>HOLD</i>	Current call is on hold.
<i>SCANNING...</i>	Handset is scanning for a clear channel to improve sound quality.
<i>NO CONNECT</i>	Telephone is not connected. Check the power jack.

Appendix

Display screen messages, lights and tones



Alert tones

	"Beep-Beep...Beep-Beep..." (Double beep every 5 seconds)	Handset battery is low. Place handset in base to charge the battery.
	"Beep-Beep-Beep" (3 quick beeps)	Error tone (current operation has been unsuccessful; try again).
	"Beeeeeeeeeep" (1 long beep)	Confirm tone (current operation has been successfully completed).

Indicator lights

NEW CALL

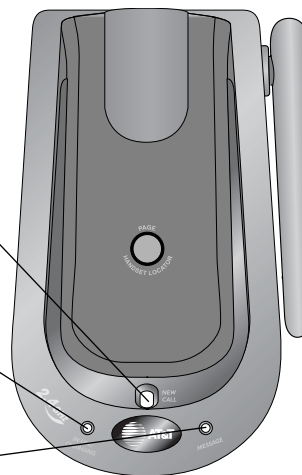
If you have Caller ID service: On when new calls have been received; off when all new Caller ID records have been reviewed (see page 20).

IN USE/CHARGING

Steady: Handset battery is charging
Slow Flashing: Phone is in use
Fast Flashing: Call is on hold

MESSAGE

Flashes when you have new voice mail (requires voice mail service from your local telephone company).



Appendix

In case of difficulty

If you have difficulty with your phone, please try the suggestions below. For Customer Service, visit our web site at **www.telephones.att.com**, or call 1 800 222-3111.

Telephone does not work at all

- Make sure the battery pack is installed and charged correctly (see page 7).
- Make sure the AC adapter is plugged into an outlet not controlled by a wall switch.
- Make sure the telephone line cord is plugged firmly into the base unit and the modular jack.
- Make sure the base antenna is fully upright.
- If you have dial pulse telephone service, make sure the dial mode is set to dial pulse (see page 11).
- If these suggestions do not work, unplug the base, remove and re-insert the battery, then place the handset in the base to re-initialize.

Phone does not ring

- Make sure the ringer is on (see page 10).
- Make sure the telephone line cord and AC adapter are plugged in properly (see page 6).
- Make sure the base antenna is fully upright.
- Move the handset closer to the base.
- You might have too many extension phones on your telephone line to allow all of them to ring. Try unplugging some of them.

If you hear noise or interference during a call

- Make sure the base antenna is fully upright.
- You may be out of range. Move closer to the base.
- Press **CHAN** to select another channel. If noise is exceptionally loud, move closer to the base before changing channels.
- Appliances plugged into the same circuit as the base can cause interference. Try moving the appliance or base to another outlet.
- The layout of your home or office might be limiting the operating range. Try moving the base to another location, preferably on an upper floor.
- If the buttons don't work, try placing the handset in the base for at least 15 seconds.
- Disconnect the base from the modular jack and plug in a corded telephone. If calls are still not clear, the problem is probably in your wiring or local service. Call your local telephone service company.

If you lose a call after changing channels

- You were probably almost out of range. Move closer to the base before changing channels. Before placing another call, set the handset in the base for at least 15 seconds.

Appendix

Technical specifications

RF Frequency Band (Handset to Base)	912.75 MHz — 917.10 MHz
RF Frequency Band (Base to Handset)	2410.2 MHz — 2418.9 MHz
Channels	30
Channel Spacing	300 KHz
Output Power	3 dBm
Sensitivity	-108 dBm
Modulation	FM
Operating Temperature	32°F — 122°F 0°C — 50°C
Base Unit Voltage (AC Voltage, 60Hz)	108 — 132 Vrms
Base Unit Voltage (AC Adapter Output)	9 Vdc @300 mA
Handset Voltage	3.1 — 4.2 Vdc @400 mAh

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91-5596-30-00