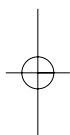**AT&T**

User Manual (Part 2)

2.4 GHz Cordless Telephone 2231/1231

with Caller ID & Call Waiting

You must install and charge batteries 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

2.4 GHz Cordless Telephone 2231/1231

with Caller ID & Call Waiting

Table of contents

Quick reference guide

Handset

▼ CID

Press to scroll down in menus.
Press when phone is not in use to display Caller ID information (see page 20). While entering names, press to move the cursor to the left.

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 11).

Redial/Pause

Press to view redial memory (see page 10). While entering numbers, press and hold to insert a dialing pause (see page 16).

Speaker

Press to activate handset speakerphone. Press again to resume normal handset use (earpiece).

Select/Menu

Press to display menu, or to select highlighted item from menu.

▲ DIR

Press to scroll up in menus.
Press when phone is not in use to display phone book entries (see page 17). While entering names, press to advance cursor.

Off/Clear

During a call, press to hang up. While using menus, press to cancel an operation, back up to the previous menu, or exit the menu display.

Intercom

Press to transfer call or initiate an intercom conversation (see page 12).

Mute/Delete

Press to mute microphone (see page 10). While reviewing call log, press and hold to clear Caller ID log (see page 20).

Feature menu

> shows highlighted item
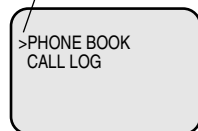
>PHONE BOOK
 CALL LOG

Menu

Feature Menu

Phone Book ....See page 15
Call Log ....See page 19
Ringer Volume ....See page 13
Ringer Tone ....See page 13
Key Tone ....See page 13
Handset Name........See page 14
Language................See page 14
Clear Msg. Wait ......See page 14
Dial Type ....See page 14

Press ▲ or ▼ to scroll through menu items.

Press **SEL** to select or modify a highlighted item.

Press **OFF** to cancel an operation, back up to the previous menu, or exit the menu display.

Quick reference guide

Telephone Base

PAGE/HANDSET LOCATOR
Press to locate handset if lost (see page 12).

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

IN USE
On when handset is in use. Flashes when another phone is in use on the same line.

CHARGING
On when handset battery is charging.

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:
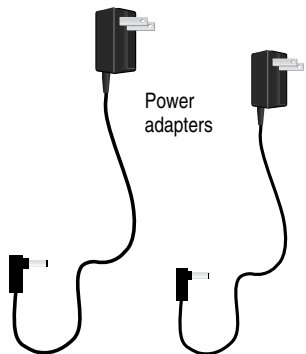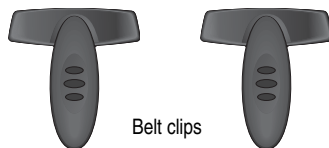
Telephone base

Telephone handsets

Handset charger

Power adapters

Belt clips

Batteries (2)

Long telephone line cord

Short telephone line cord

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 19, 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.

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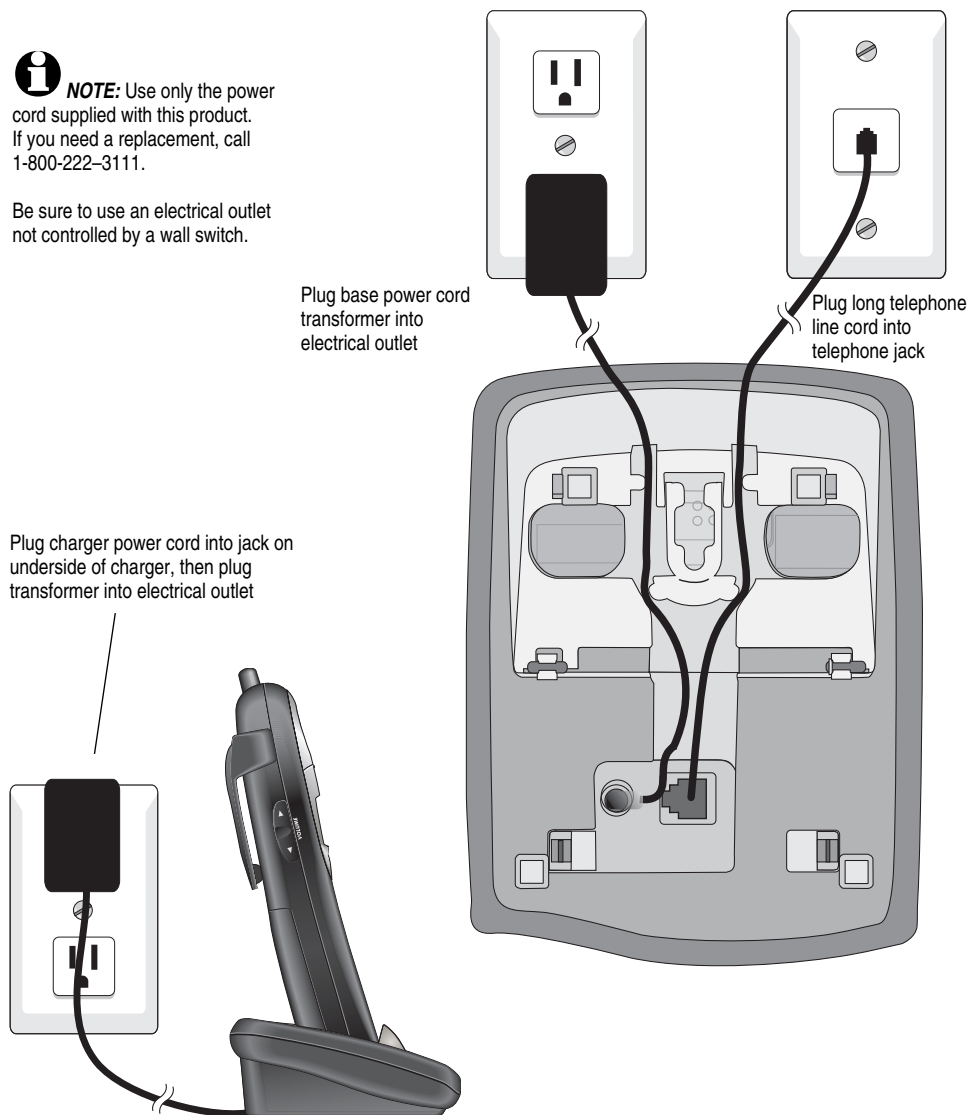
If you move out of range without pressing OFF, your phone will be left "off the hook." To hang up properly, walk back toward the telephone base, periodically pressing **OFF** until the call is disconnected.

Telephone base & charger installation

Install the base and charger as shown below. Choose a base 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.

Plug base power cord transformer into electrical outlet

Plug long telephone line cord into telephone jack

Plug charger power cord into jack on underside of charger, then plug transformer into electrical outlet

Battery installation & charging

After installation, place the handset in the base or charger and allow to charge for 12 hours before use. You can keep batteries charged by placing the handset in the base or charger after each use. When batteries are fully depleted, a recharge takes about 10 hours.

LOW BATTERY

Low battery indicator
Return handset to base or charger when this symbol flashes. (Handset will beep when battery is low.)

Press coin into slot on base of handset to release latch, then remove cover

Insert supplied batteries

Caution: Use only supplied rechargeable battery or AT&T replacement battery model 2419 / 2420 (sku 00578).

Place handset in base or charger to charge for 12 hours before first use.

Insert top tabs first

Press down to click in place

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.
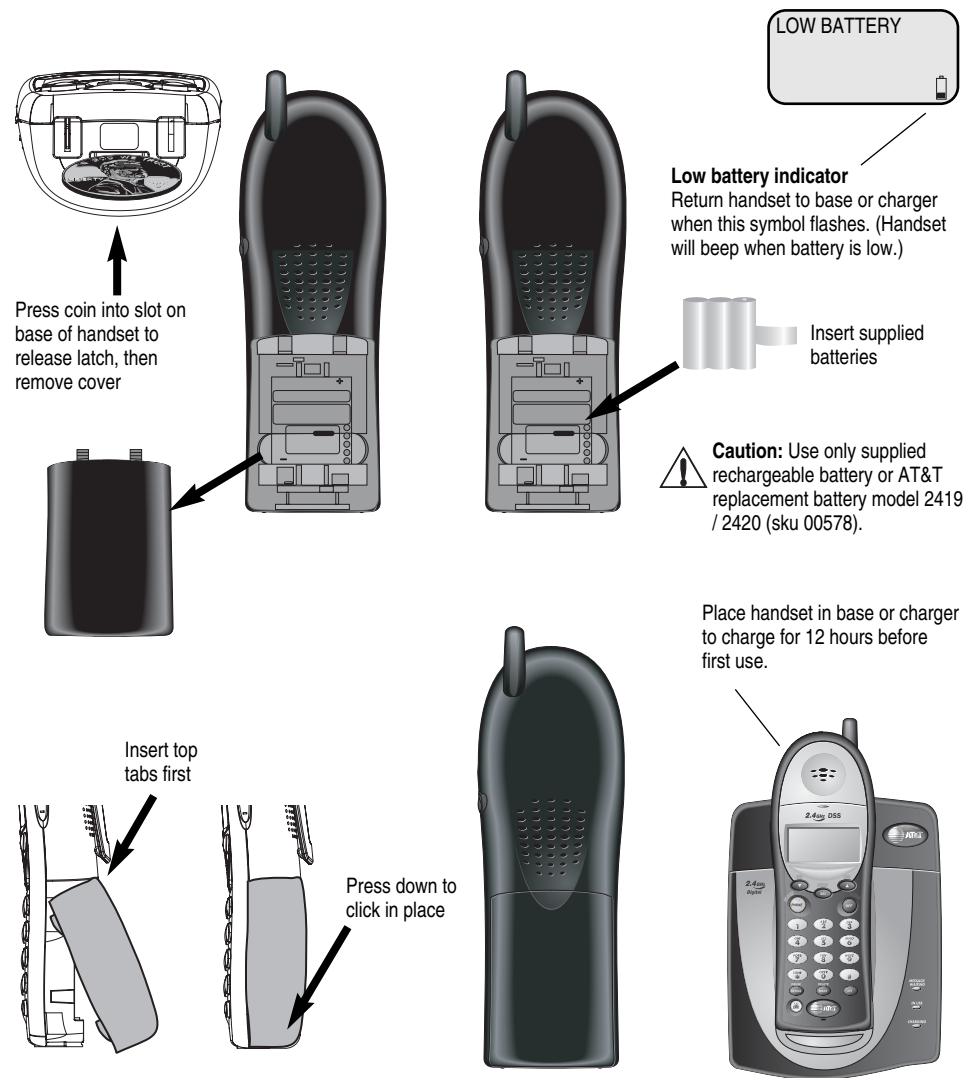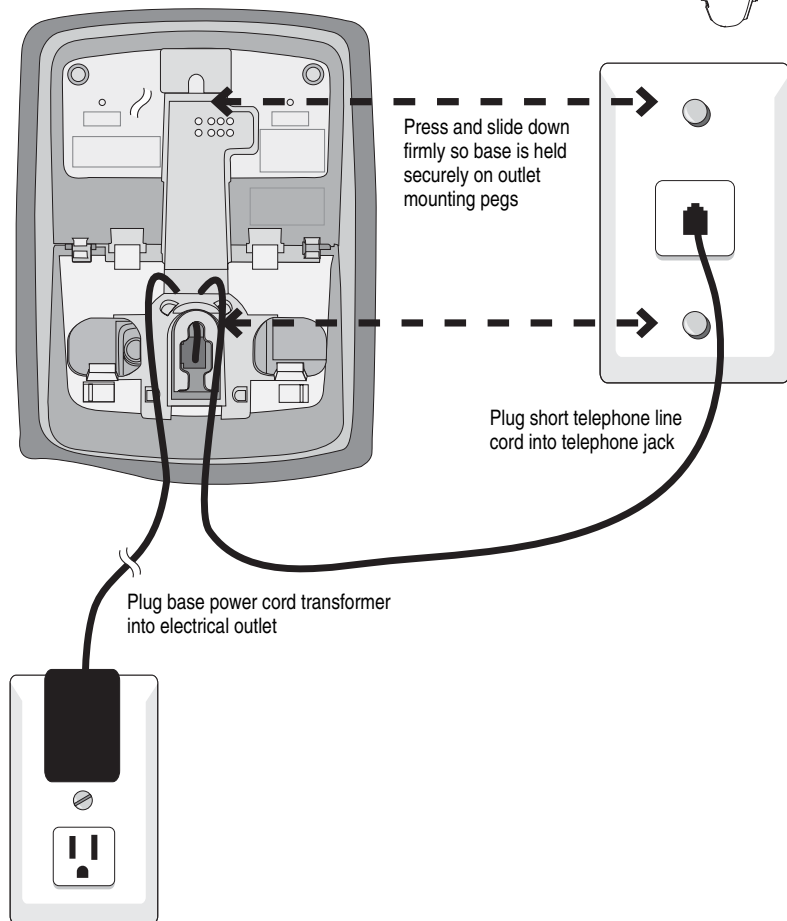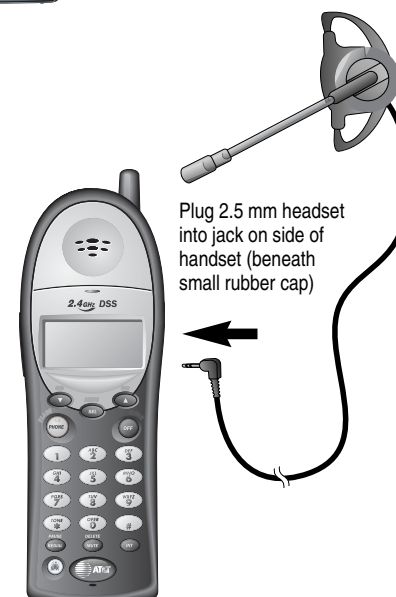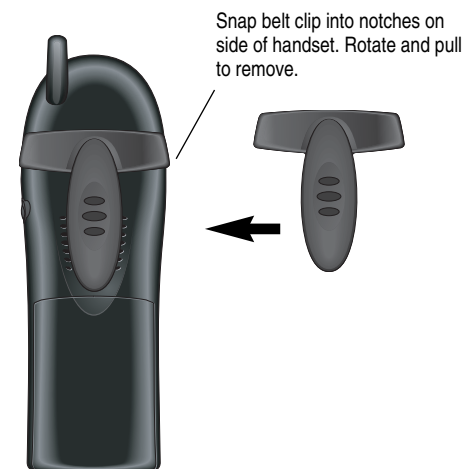
Connect telephone line cord and AC adapter as shown on page 6. Press plastic tabs inside notches to release and open hinged wall mount.

Swivel wall mount down and lock in place

Press and slide down firmly so base is held securely on outlet mounting pegs

Plug short telephone line cord into telephone jack

Plug base power cord transformer into electrical outlet
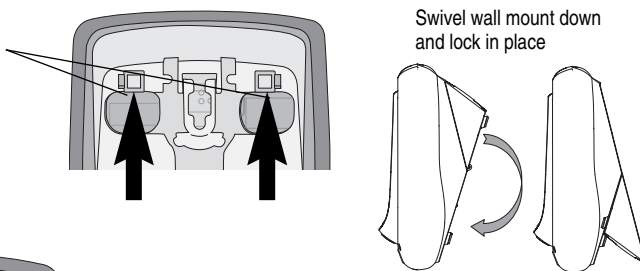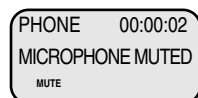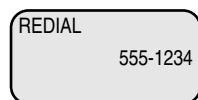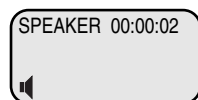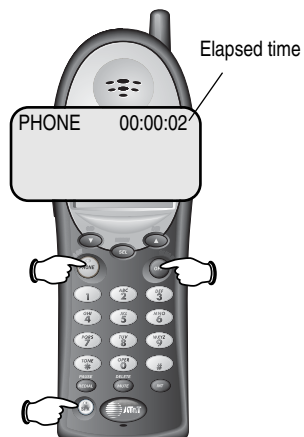
Belt clip & optional headset

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.

Snap belt clip into notches on side of handset. Rotate and pull to remove.

Plug 2.5 mm headset into jack on side of handset (beneath small rubber cap)

Elapsed time

PHONE   00:00:02

Basic operation

Making and answering calls

To answer an incoming call, press **PHONE** (or **SPK,** or any dial pad key). To make a call, press **PHONE** or **SPK**, then dial a number. Press **OFF** to hang up.

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

The screen displays the elapsed time as you talk (in hours, minutes and seconds).

SPEAKER 00:00:02

Hands-free speakerphone calls

To answer a call, press **SPK**. To make a call, press **SPK**, then dial a number. During a call you can press **SPK** to toggle between hands-free speakerphone and normal handset use. Press **OFF** to hang up.

REDIAL

        555-1234

Last number redial

Press **REDIAL** to display the most recent called number. Use the ▲ ▼ buttons to view up to 5 other recently called numbers. The handset will beep twice at the beginning or end of the list.

Press **PHONE** to redial any number as it is displayed. Press **DELETE** to delete the displayed number from the redial memory.

PHONE   00:00:02

MICROPHONE MUTED

MUTE

Mute

Press **MUTE** to silence the microphone. You will be able to hear, but your caller will not be able to hear you until you press **MUTE** again to resume speaking.

Volume

Flash

Silence ringer

Tone

2.4 GHz DSS

Options while on calls

Volume control

Press **VOLUME** buttons on the side of the handset to adjust listening volume. Each button press raises or lowers volume by one level.

When you change the volume level, the new setting becomes the default. The new volume level will be applied each time you use the handset, speakerphone or headset.

Call waiting

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

Ring silencing

Press **OFF** or **MUTE** while the phone is ringing to silence the ringer.

3-way conference calls

During an outside call, you can use both handsets to allow a three-way conversation.

While a call is in progress, a person using the other handset can press **PHONE** or **SPK** to join the call. You can press **OFF** at either handset to drop out of the conference call, but the call will not be terminated until all sets hang up.

Temporary tone dialing

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

Intercom and call transfers

Intercom calls

The intercom allows conversation between handsets without using an outside line.

Press the **INT** button to page the other handset. To answer an intercom page, press **PHONE, SPK, INT** or any dial pad button.

When your intercom call is finished, press **OFF** to end the call.

Call forwarding

During a conversation you can press and hold **INT** to forward the call to another handset. Press **PHONE** or **SPK** at the other handset to answer the call.

If the other handset does not respond in about 30 seconds, the call will be returned to your handset. If you do not press **PHONE** or **SPK** to answer within 30 seconds, the external call will be terminated.

Call transfer

If you prefer to speak to the person at the other handset before transferring a call, press **INT.** The call will be placed on hold, and the other handset will be paged. When the other handset answers, you can speak privately while the outside call remains on hold. The outside call will be transferred when you press **OFF** to end the intercom call.
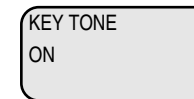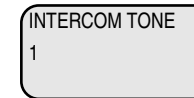
If the other handset does not answer, you can press **PHONE** to reconnect to the external call.

Handset locator

If you lose a handset, press **PAGE/HANDSET LOCATOR** at the base. Both handsets will beep for 60 seconds to help you locate them. To stop the beeping, press **PHONE, SPK,** or any dial pad button at the handset, or press **PAGE** at the base.

CALLING
OTHER HANDSET

Press **INT**
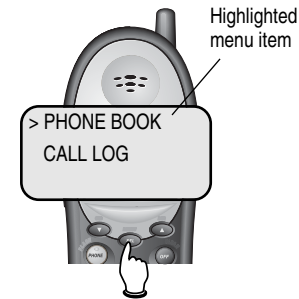
Handset settings

At the feature menu you can change settings to customize how your handsets work.

Press **MENU**, then use the ⬆ ⬇ buttons to scroll to the feature you want to change. As you scroll through the menu, the top menu item is always highlighted with a **>** character. Press **SEL** to select the highlighted item.

Press **OFF** at any time to cancel an operation, back up to the previous menu, or exit the menu display.

Highlighted menu item

> PHONE BOOK
CALL LOG

Ringer volume

At this menu you can set a default ring volume level (1-6), or turn the ringer off. Use the ⬆ ⬇ buttons to hear an example of each volume level, then press **SEL** to select the one you prefer.

RINGER VOLUME

Ringer tone

This feature allows you to choose one of 10 ringing tones. You can set different ringing tones for intercom and outside calls. Use the ⬆ ⬇ buttons to hear an example of each ringer tone, then press **SEL** to select the one you prefer.

INTERCOM TONE
1

Key tone

The handset is factory programmed to beep at each keypress. Use the ⬆ ⬇ buttons to select **ON** or **OFF**, then press **SEL** to save your preference.

KEY TONE
ON

Handset settings

Handset name

At this menu you can customize the name that appears on each handset screen when the phone is idle. Press **DELETE** to erase letters, then replace them with a name of your preference, up to 16 characters long (see page 16 to enter letters). Press **SEL** to confirm.

HANDSET NAME
AT&T_

Language

At this menu you can select the language used in all menus and screen displays. Use the ⏶⏷ buttons to select English, Spanish or French, then press **SEL** to save your preference.

LANGUAGE
ENGLISH

Clear msg. wait

If you subscribe to voice mail services provided by your local telephone company, you will be alerted by a light on the base and a text message on the handset when new messages are waiting. At this menu you can turn off the light and handset alerts.

At the **TURN INDICATOR OFF?** prompt, press **SEL** to turn off the Message Waiting light and handset alerts.

TURN INDICATOR
OFF?

Dial Type

At this menu you can choose Tone or Pulse dialing. The factory default setting is **TONE**. Change this to **PULSE** only if you do not have touch-tone dialing service.

Use the ⏶⏷ buttons to select **TONE** or **PULSE**, then press **SEL** to save your preference.

DIAL TYPE
TONE

PAT WILLIAMS
555-1234
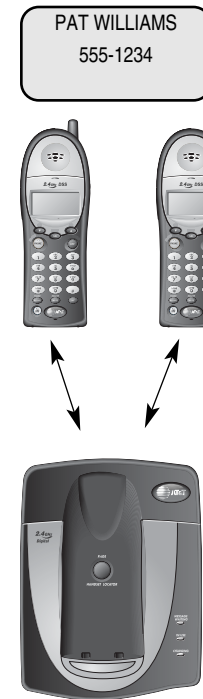
50 entries shared by both handsets

Phonebook

Shared phonebook directory

The phonebook directory is stored in the base, and is shared by both handsets. Changes made at either handset will be reflected in both.

Only one handset at a time can use the phonebook. If a second handset attempts to use the phonebook, the screen will display "Not available at this time."

The phonebook can store up to 50 entries. Each entry can contain a number up to 32 digits, and a name up to 16 letters long. A convenient search feature can help you find and dial numbers quickly (see page 17).

Timeouts and error messages

If you pause for too long while making an entry the procedure will time out and you will have to begin again.

If all memory locations are in use, the screen will display "Phonebook is full." You will not be able to store a new number until you delete an existing one.
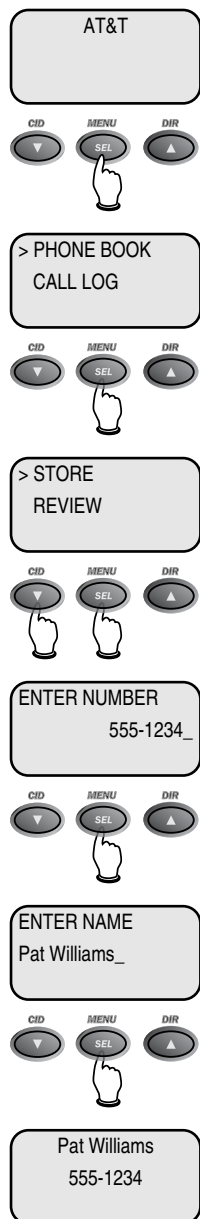
New phonebook entries

To create a new phonebook entry

Press **MENU** twice to select **PHONE BOOK**. Press ▼ to highlight **STORE**. Press **SEL**, then enter the telephone number when prompted.
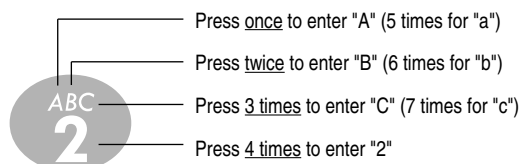
Use the dial pad to enter up to 32 digits, then press **SEL**. You will be notified if the number is already in your phonebook.

To insert a number from your redial list, press **REDIAL**, then ▲ ▼ to find the number, then press **SEL**.

• Press **DELETE** to erase numbers if you make a mistake.

• Press and hold **PAUSE** to enter a 3-second dialing pause.

To enter a name

Press dial pad buttons once for the first letter, twice for the second, three times for the third. Continue for lower-case letters or numerals.

Press once to enter "A" (5 times for "a")
Press twice to enter "B" (6 times for "b")
ABC
2
Press 3 times to enter "C" (7 times for "c")
Press 4 times to enter "2"

The cursor moves to the right when you press another dial pad button or the ▲ button. Press ▼ to move the cursor to the left. Press ❶ to enter a space, or press twice to enter "l"

• Press **DELETE** to erase letters if you make a mistake.

• Press ✱ repeatedly to enter an asterisk (*), question mark (?), exclamation point (!), slash (/) or parentheses.

• Press # repeatedly to enter a pound sign (#), apostrophe ('), comma (,) hyphen (-), period (.), or ampersand (&).

Storing the entry

Press **SEL** to store your new phonebook entry. To change it later, see page 18.

Phonebook search

Press **DIR** to display the first listing in the phonebook. You can then use the up/down arrows to browse through the phonebook, or search to find a specific entry. Press **OFF** at any time to exit the directory.

To browse through the directory

To browse, press ▲ or ▼ to scroll through all entries one by one. Entries will be displayed alphabetically by the first letter in the name.

To search by name

When any entry is displayed, you can press a dial pad button to display the first name beginning with a letter associated with that key.

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

For example, press **5 (JKL)** once to find Jennifer, twice to find Kevin, or three times to find Linda.

To call a displayed number

When you find the entry you want, press **PHONE** (or **SPK**) to dial. Or press **SEL** to modify the entry (see next page).

Viewing long numbers

The screen can display only 16 digits at a time. To view numbers longer than this, press ✱ or # to display the remaining digits.

AT&T

Andrew
555-6789

EDIT NUMBER
555-6789_

EDIT NAME
Andy_

Andy
555-6789
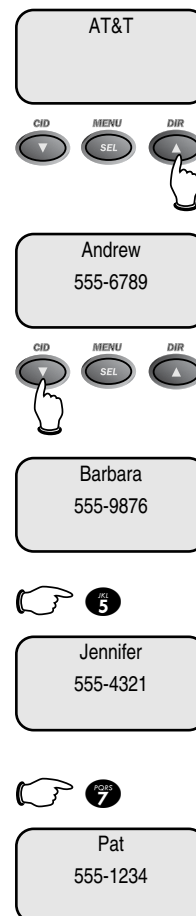
To dial, change or delete entries

To dial a number

When any phonebook entry is displayed, press **PHONE** (or **SPK**) to dial the displayed number.

To delete an entry

When any phonebook entry is displayed, press **DELETE** to delete the displayed entry from the phonebook. Once deleted, an entry cannot be recovered.

To change a listing

When any phonebook entry is displayed, press **SEL** to modify the entry. (See page 16 for help in modifying the name or number.)
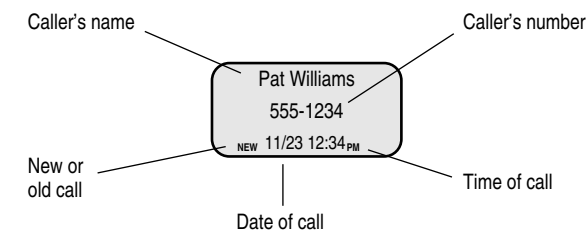
Change the number as needed, then press **SEL**. Change the name as needed, then press **SEL** to save the modified entry.

RING!

Pat Williams
555-1234
11/23 12:34PM
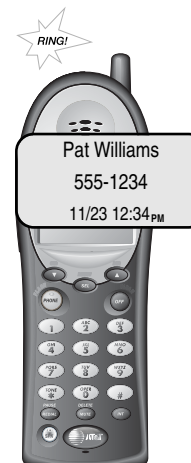
Caller ID Logs

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.

Caller's name

Caller's number

Pat Williams
555-1234
NEW 11/23 12:34PM

New or old call

Time of call

Date of call

Information about the last 50 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 copy the caller's name and number into your phonebook.

When the call log is full, the oldest entry 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.

About names

Names of callers will be displayed only if this information is provided by your local telephone company.

If the telephone number of the person calling matches a number in your phonebook, the name that appears on screen will match the name as you entered it into your phonebook.

(Example: If "Christine Smith" calls, her name will appear as "Chris" if this is how you entered it into your phonebook.)

```
AT&T
6 NEW CALLS
NEW
```

```
CID      MENU      DIR
 ▼        SEL       ▲
```

```
Pat Williams
555-1234
NEW 11/23 12:34 PM
```

```
CID      MENU      DIR
 ▼        SEL       ▲
```

```
Chris Thompson
908-555-0100
NEW 11/22 10:12 PM
```

```
CID      MENU      DIR
 ▼        SEL       ▲
```

```
Jeffrey Adams
555-8976
NEW 11/22 10:01 PM
```

```
CID      MENU      DIR
 ▼        SEL       ▲
```

To review your call log

To review your call log

Press **CID** to review your call log. The most recent call is displayed first. Use the arrow buttons to scroll through the list as shown at left.

To return a call

Press **PHONE** (or **SPK**) to call the person currently displayed. Press ⊞ to see a list of dialing options (you can choose to dial with or without the area code).

Example:

CID ....Number displayed as **1-908-555-0100**

⊞ .... Number changes to **555-1234**(drops "1" + area code)

PHONE ....Dials **555-1234**
(or SPK)

Other options

• Press **DELETE** to delete this entry from your call log.

• Press and hold **DELETE** to delete all entries from your call log. When asked to confirm, press **SEL** to clear your call log of all entries, or **OFF** to exit and leave all call log entries intact.

• Press **SEL** to copy this entry into your phonebook. If the name or number are not provided, you will be prompted to enter them.

Screen icons, indicator lights & tones

Handset screen icons & alert tones

Screen icons

🔊 Speakerphone in use

🔕 Ringer off

🔋 Battery charging (animated display)

🔋 Low battery (flashing); place handset in base or charger to recharge

MUTE Microphone is muted

NEW New calls (press **CID** to review call log)

Alert tones

Happy tone Programming command completed successfully

2 beeps Programming error (or last record in list displayed)

Indicator lights

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

IN USE
On when handset is in use. Flashes when another phone is in use on the same line.

CHARGING
On when handset battery is charging

SPK
On when speakerphone is in use

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 batteries are 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.
- If you have dial-pulse telephone service, make sure the dial mode is set to Pulse (see page 14).
- If these suggestions do not work, unplug the base, remove and re-insert the batteries, then place the handset in the base to re-initialize.

Phone does not ring

- Make sure the ringer is on (see page 13).
- Make sure the telephone line cord and AC adapter are plugged in properly (see page 6).
- 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

- You may be out of range. Move closer to the base.
- 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.

Technical specifications

RF Frequency Band (Handset to Base)	2400 MHz — 2483 MHz
RF Frequency Band (Base to Handset)	2400 MHz — 2483 MHz
Channels	95
Channel Spacing	864 KHz
Output Power	20 dBm
Sensitivity	-96 dBm
Modulation	GFSK
Operating Temperature	32°F — 122°F 0°C — 50°C
Base Unit Voltage (AC Voltage, 60Hz)	96 — 130 Vrms
Base Unit Voltage (AC Adapter Output)	7 — 13 Vdc @400 mA
Handset Voltage	3.2 — 4.7 Vdc @600 mAh

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    delete entries, 20
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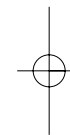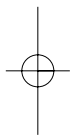Ring silencing, 11
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