User Manual (Part 2)

2.4 GHz Cordless Telephone 1445/1145

with Caller ID & Call Waiting
STOP! See page 7 for easy instructions

You must install and charge the battery before using the telephone

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.
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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).

**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).

**Volume/Function**
During a call, press to adjust listening volume. When programming, press to change menu item or value (see page 10). Press when phone is not in use to display menu items or values (see page 10).

**Incoming calls (see page 20)**
**Date and time (see page 10)**
**Low battery (see page 7)**

**Using the dial pad to enter letters (see page 17)**
- Press once to enter “A”
- Press twice to enter “B”
- Press 3 times to enter “C”
- Press 4 times to enter “2”
Getting Started

Quick reference guide

Telephone Base

ANTENNA
Swivel fully upright for best results.

PAGE/HANDSET LOCATOR
Press to locate handset if lost (see page 14).

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.

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

Plug in battery here

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

Charging light will be illuminated while battery is charging.

To replace cover:

1. Insert tabs at top of cover into slots on base
2. Align tab at bottom of cover with slot in base, then press to click in place

Low battery indicator
Return handset to base to recharge when this symbol appears. (Handset will beep when battery is low.)
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.

- Plug power cord transformer into electrical outlet
- Connect line cord and AC adapter as shown on page 6, then press notch and pull to open hinged wall mount
- Plug short line cord into telephone jack
- Swivel wall mount down and lock in place
- Press and slide down firmly so base is held securely on outlet mounting pegs
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.

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).
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 ringer 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 V 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 1 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 *. This can be useful if you need to send tone signals for access to answering systems or long-distance services.
Telephone Operation

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

To assign a distinctive ring

Press 1 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.
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.

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.

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Find names beginning with “A”</td>
</tr>
<tr>
<td>22</td>
<td>Find names beginning with “B”</td>
</tr>
<tr>
<td>222</td>
<td>Find names beginning with “C”</td>
</tr>
<tr>
<td>3</td>
<td>Find names beginning with “D”</td>
</tr>
<tr>
<td>33</td>
<td>Find names beginning with “E”</td>
</tr>
<tr>
<td>333</td>
<td>Find names beginning with “F”</td>
</tr>
</tbody>
</table>

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).
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

<table>
<thead>
<tr>
<th>PRIVATE NAME</th>
<th>Name of caller is not revealed at caller’s request.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIVATE CALLER</td>
<td>Name and telephone number of caller are not revealed at caller’s request.</td>
</tr>
<tr>
<td>UNKNOWN NAME</td>
<td>Your phone company is unable to determine caller’s name.</td>
</tr>
<tr>
<td>UNKNOWN CALLER</td>
<td>Your phone company is unable to determine caller’s name and telephone number.</td>
</tr>
</tbody>
</table>
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.
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:

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

2 PHONE
PHONE ON
9085550100

Or

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

2 #
PAT JOHNSON
555-0100
8/12 10:06 AM NEW 03

3 PHONE
PHONE ON
5550100
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.
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 \( \text{V} \) 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

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

Display screen messages, lights and tones

Alert tones

<table>
<thead>
<tr>
<th>Tone Description</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>“Beep-Beep...Beep-Beep...”</td>
<td>Handset battery is low. Place handset in base to charge the battery.</td>
</tr>
<tr>
<td>(Double beep every 5 seconds)</td>
<td></td>
</tr>
<tr>
<td>“Beep-Beep-Beep”</td>
<td>Error tone (current operation has been unsuccessful; try again).</td>
</tr>
<tr>
<td>(3 quick beeps)</td>
<td></td>
</tr>
<tr>
<td>“Beeeeeeeeep”</td>
<td>Confirm tone (current operation has been successfully completed).</td>
</tr>
<tr>
<td>(1 long beep)</td>
<td></td>
</tr>
</tbody>
</table>

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.
### Technical specifications

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