

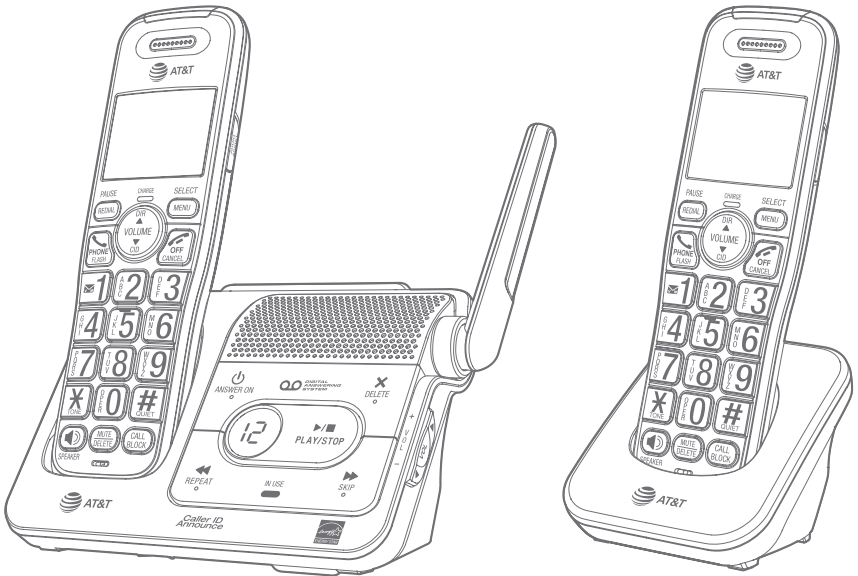


AT&T

Complete user's manual

BL102/BL102-2/BL102-3/
BL102-4/BL102-5

DECT 6.0 cordless telephone/
answering system with
caller ID/call waiting



Congratulations

on your purchase of this AT&T product. Before using this AT&T product, please read the **Important safety information** section on pages 1-2 of this manual. Please thoroughly read this user's manual for all the feature operations and troubleshooting information necessary to install and operate your new AT&T product. You can also visit our website at **<https://telephones.att.com>** or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.

This telephone meets the California Energy Commission regulations for energy consumption. Your telephone is set up to comply with the energy-conserving standards right out of the box. No further action is necessary.

This telephone system is compatible with certain AT&T DECT 6.0 cordless headsets. Visit **<https://telephones.att.com/headsets>** for a list of compatible cordless headsets.

Model number: BL102 (one handset)
BL102-2 (two handsets)
BL102-3 (three handsets)
BL102-4 (four handsets)
BL102-5 (five handsets)

Type: DECT 6.0 cordless telephone/answering system with caller ID/call waiting

Serial number: _____

Purchase date: _____

Place of purchase: _____

Both the model and serial numbers of your AT&T product can be found on the bottom of the telephone base.

Save your sales receipt and original packaging in case it is necessary to return your telephone for warranty service.



Telephones identified with this logo have reduced noise and interference when used with most T-coil equipped hearing aids and cochlear implants. The TIA-1083 Compliant Logo is a trademark of the Telecommunications Industry Association. Used under license.



The ENERGY STAR® program (www.energystar.gov) recognizes and encourages the use of products that save energy and help protect our environment. We are proud to mark this product with the ENERGY STAR® label indicating it meets the latest energy efficiency guidelines.

Parts checklist

Your telephone package contains the following items. Save your sales receipt and original packaging in the event warranty service is necessary.



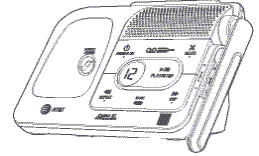
Quick start guide



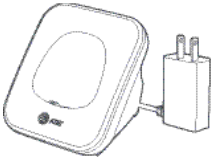
Smart call blocker leaflet



Cordless handset
(1 for BL102)
(2 for BL102-2)
(3 for BL102-3)
(4 for BL102-4)
(5 for BL102-5)



Telephone base



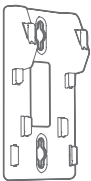
Charger for cordless handset with power adapter installed
(1 for BL102-2)
(2 for BL102-3)
(3 for BL102-4)
(4 for BL102-5)



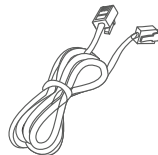
Battery for cordless handset
(1 for BL102)
(2 for BL102-2)
(3 for BL102-3)
(4 for BL102-4)
(5 for BL102-5)



Battery compartment cover
(1 for BL102)
(2 for BL102-2)
(3 for BL102-3)
(4 for BL102-4)
(5 for BL102-5)



Wall-mount bracket



Telephone line cord



Power adapter for telephone base

Complete user's manual

BL102/BL102-2/BL102-3/
BL102-4/BL102-5
DECT 6.0 cordless telephone/
answering system with
caller ID/call waiting

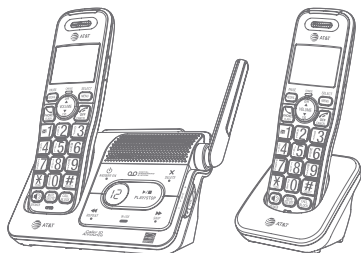


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Important safety information



This symbol is to alert you to important operating or servicing instructions that may appear in this user's manual. Always follow basic safety precautions when using this product to reduce the risk of injury, fire, or electric shock.

Safety information

- ▶ Read and understand all instructions in the user's manual. Observe all markings on the product.
- ▶ Avoid using a telephone during a thunderstorm. There may be a slight chance of electric shock from lightning.
- ▶ Do not use a telephone in the vicinity of a gas leak. Under certain circumstances, a spark may be created when the adapter is plugged into the power outlet, or when the handset is replaced in its cradle. This is a common event associated with the closing of any electrical circuit. The user should not plug the phone into a power outlet, and should not put a charged handset into the cradle, if the phone is located in an environment containing concentrations of flammable or flame-supporting gases, unless there is adequate ventilation. A spark in such an environment could create a fire or explosion. Such environments might include: medical use of oxygen without adequate ventilation; industrial gases (cleaning solvents; gasoline vapors; etc.); a leak of natural gas; etc.
- ▶ Do not use this product near water, or when you are wet. For example, do not use it in a wet basement or shower, or next to a swimming pool, bathtub, kitchen sink, or laundry tub. Do not use liquids or aerosol sprays for cleaning. If the product comes in contact with any liquid, unplug any line or power cord immediately. Do not plug the product back in until it has dried thoroughly.
- ▶ Install this product in a protected location where no one can trip over any line or power cords. Protect cords from damage or abrasion.
- ▶ If this product does not operate normally, see the **Troubleshooting** section on pages 92-100 of this user's manual. If you cannot solve the problem, or if the product is damaged, refer to the **Limited warranty** section on pages 106-107. Do not open this product except as directed in your user's manual. Opening the product or reassembling it incorrectly may expose you to hazardous voltages or other risks.
- ▶ Replace batteries only as described in your user's manual (pages 9-10). Do not burn or puncture batteries — they contain caustic chemicals.
- ▶ The power adapters are intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling or an under-the-table/cabinet outlet.
- ▶ For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.



CAUTIONS:

- ▶ Use only the power adapters provided with this product. To obtain a replacement, visit our website at <https://telephones.att.com> or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.
- ▶ Use only the supplied rechargeable battery or replacement battery (model BT162342/BT262342). To order, visit our website at <https://telephones.att.com> or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.



CAUTION: To prevent risk of fire or battery explosion, replace with the correct battery type. Dispose of used batteries according to the instructions.

Important safety information

Especially about cordless telephones

- ▶ **Privacy:** The same features that make a cordless telephone convenient create some limitations. Telephone calls are transmitted between the telephone base and the handset by radio waves, so there is a possibility that your cordless telephone conversations could be intercepted by radio receiving equipment within range of the cordless handset. For this reason, you should not think of cordless telephone conversations as being as private as those on corded telephones.
- ▶ **Electrical power:** The telephone base of this cordless telephone must be connected to a working electrical outlet which is not controlled by a wall switch. Calls cannot be made from the handset if the telephone base is unplugged, switched off or if the electrical power is interrupted.
- ▶ **Potential TV interference:** Some cordless telephones operate at frequencies that may cause interference to TVs and VCRs. To minimize or prevent such interference, do not place the telephone base of the cordless telephone near or on top of a TV or VCR. If interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.
- ▶ **Rechargeable batteries:** This product contains nickel-metal hydride rechargeable batteries. Exercise care in handling batteries in order not to create a short circuit with conductive material such as rings, bracelets and keys. The battery or conductor may overheat and cause harm. Observe proper polarity between the battery and the battery charger.
- ▶ **Nickel-metal hydride rechargeable batteries:** Dispose of these batteries in a safe manner. Do not burn or puncture. Like other batteries of this type, if burned or punctured, they could release caustic material which could cause injury.



The RBRC Seal means that the manufacturer is voluntarily participating in an industry program to collect and recycle nickel-metal hydride rechargeable batteries when taken out of service within the United States. These batteries may be taken to a participating local retailer of replacement batteries or recycling center. You may call 1-800-8-BATTERY® for locations accepting spent Ni-MH batteries.

The RBRC Seal and 1-800-8-BATTERY® are registered trademarks of Call2recycle, Inc.

Precautions for users of implanted cardiac pacemakers

Cardiac pacemakers (applies only to digital cordless telephones):

Wireless Technology Research, LLC (WTR), an independent research entity, led a multidisciplinary evaluation of the interference between portable wireless telephones and implanted cardiac pacemakers. Supported by the U.S. Food and Drug Administration, WTR recommends to physicians that:

Pacemaker patients

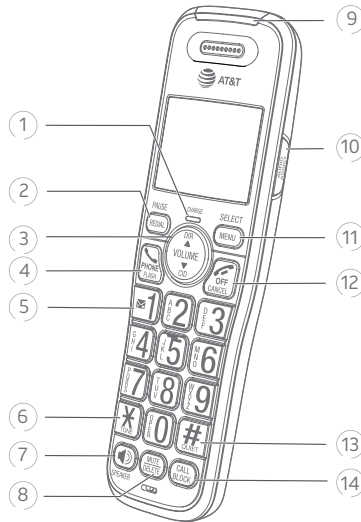
- ▶ Should keep wireless telephones at least six inches from the pacemaker.
- ▶ Should NOT place wireless telephones directly over the pacemaker, such as in a breast pocket, when it is turned ON.
- ▶ Should use the wireless telephone at the ear opposite the pacemaker.

WTR's evaluation did not identify any risk to bystanders with pacemakers from other persons using wireless telephones.

Especially about telephone answering systems

Two-way recording: This unit does not sound warning beeps to inform the other party that the call is being recorded. To ensure that you are in compliance with any federal or state regulations regarding recording a telephone call, you should start the recording process and then inform the other party that you are recording the conversation.

SAVE THESE INSTRUCTIONS



1 CHARGE indicator

- On when the handset is charging in the telephone base or charger.

2 REDIAL/PAUSE

- Press repeatedly to view the last ten numbers dialed (page 24).
- While entering numbers, press and hold to insert a dialing pause (page 32).

3 ▲DIR/VOLUME

- Press ▲**DIR** to show directory entries when the handset is not in use (page 34).
- Press to scroll up while in menus.
- While entering names or numbers, press to move the cursor to the right.
- Press to increase the listening volume when on a call (page 26), or to increase the message playback volume (page 80).

▼CID/VOLUME

- Press ▼**CID** to show caller ID log when the handset is not in use (page 38).
- Press to scroll down while in menus.
- While entering names or numbers, press to move the cursor to the left.
- Press to decrease the listening volume when on a call (page 26), or to decrease the message playback volume (page 80).

4 ☎PHONE/FLASH

- Press to make or answer a call (page 23).
- During a call, press to answer an incoming call when you receive a call waiting alert (page 26).

5 ✉1

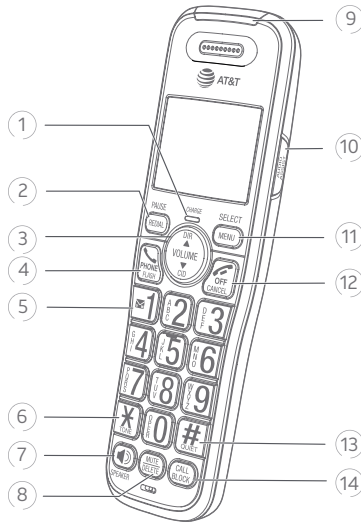
- While reviewing a caller ID log entry, press repeatedly to add or remove 1 in front of the telephone number before dialing or saving it in the directory (page 39).
- Press and hold to set or to dial your voicemail number (page 19).

6 TONE✕

- Press to switch to tone dialing temporarily during a call if you have pulse service.

7 🗣/SPEAKER

- Press to make or answer a call using the speakerphone (page 24).
- Press to switch between the speakerphone and the handset (page 24).



8 MUTE/DELETE

- ▶ During a call, press to mute the microphone (page 26).
- ▶ When the handset is ringing, press to mute the ringer temporarily (page 23).
- ▶ While reviewing the caller ID log, directory, redial memory, block list, allow list, or star name list, press to delete an individual entry.
- ▶ While predialing, press to delete digits.
- ▶ During message or announcement playback, press to delete the playing message or the recorded announcement.

9 Visual ringer indicator

- ▶ Flashes when there is an incoming call.

10 AUDIO ASSIST®

- ▶ Voices will sound louder and clearer when you press **AUDIO ASSIST®** while on a call using the handset (page 28).

11 MENU/SELECT

- ▶ When the handset is not in use, press to show the menu.
- ▶ While in the menu, press to select an item or save an entry or setting.

12 OFF/CANCEL

- ▶ During a call, press to hang up (page 23).
- ▶ While in a menu, press to cancel an operation, back up to the previous menu, or exit the menu display; or press and hold this button to exit to idle mode.
- ▶ When the handset is ringing, press to mute the ringer temporarily (page 23).
- ▶ Press and hold while the telephone is not in use to erase the missed call indicator (page 37).

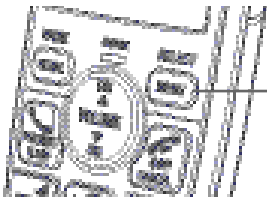
13 QUIET# (pound key)

- ▶ Press repeatedly to display other dialing options when reviewing a caller ID log entry (page 39).
- ▶ Press and hold to enter the **QUIET** mode setting screen, or to deactivate **QUIET** mode (page 22).

14 CALL BLOCK

- ▶ Press to block the incoming call when the telephone is ringing (page 44) or during the call (page 71).
- ▶ When the handset is not in use, press to show the Smart call blocker menu (page 48).

Main menu

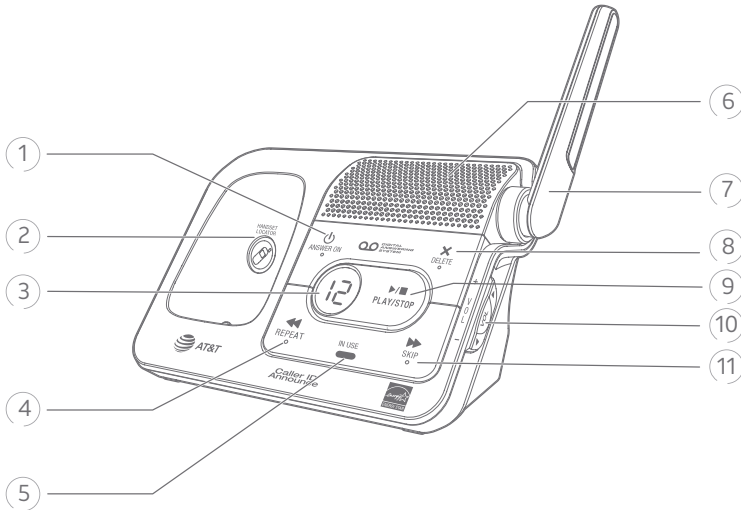


→ Main menu

- Play messages (page 80)
- Answering sys (page 72)
- Smart call blk (page 44)
- Directory (page 31)
- Caller ID log (page 36)
- Intercom (page 29)
- Ringers (page 16)
- Set date/time (page 17)
- Caller ID annc (page 18)
- Settings (page 18)

Using menus:

- ▶ Press **MENU/SELECT** to show the menu.
- ▶ Press **▼CID** or **▲DIR** to scroll through menu items.
- ▶ Press **MENU/SELECT** to confirm or save changes to a highlighted menu item.
- ▶ Press **OFF/CANCEL** to cancel an operation, back up to the previous menu, or exit the menu display.



1 **Ⓞ/ANSWER ON**

- ▶ Press to turn the built-in answering system on or off (page 73).

2 **📞/HANDSET LOCATOR**

- ▶ While the phone is idle, press to page all handsets (page 25).

3 **Message counter**

- ▶ Shows the number of messages or other answering system information.

4 **⏮/REPEAT**

- ▶ Press to repeat a message.
- ▶ Press twice to play the previous message (page 80).

5 **IN USE indicator**

- ▶ On when the handset is in use, or when the answering system is answering an incoming call.
- ▶ Flashes when another telephone is in use on the same line.
- ▶ Flashes when there is an incoming call.

6 **Speaker**

7 **Antenna**

8 **X/DELETE**

- ▶ Press to delete the message currently playing (page 80).
- ▶ Press twice to delete all old messages when the phone is not in use (page 81).

9 **▶/■/PLAY/STOP**

- ▶ Press to start or stop message playback (page 80).

10 **▼ VOLUME ▲**

- ▶ During message playback, press to adjust the listening volume (page 80).
- ▶ While in idle mode, press to adjust the base ringer volume.

11 **▶/SKIP**

- ▶ Press to skip a message (page 80).

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



See pages 9-10 for easy instructions.

Install the telephone base close to a telephone jack and a power outlet not controlled by a wall switch. The telephone base can be placed on a flat surface or vertically mounted on the wall (see page 13). For optimum range and better reception, place the telephone base in a central and open location.

If you subscribe to high-speed Internet service (DSL - digital subscriber line) through your telephone line, you must install a DSL filter between the telephone line cord and the telephone wall jack (see the following page). The filter prevents noise and caller ID problems caused by DSL interference. Please contact your DSL service provider for more information about DSL filters.

Your product may be shipped with a protective sticker covering the handset or telephone base display - remove it before use.

For customer service or product information, visit our website at <https://telephones.att.com> or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.

Avoid placing the telephone base and charger too close to:

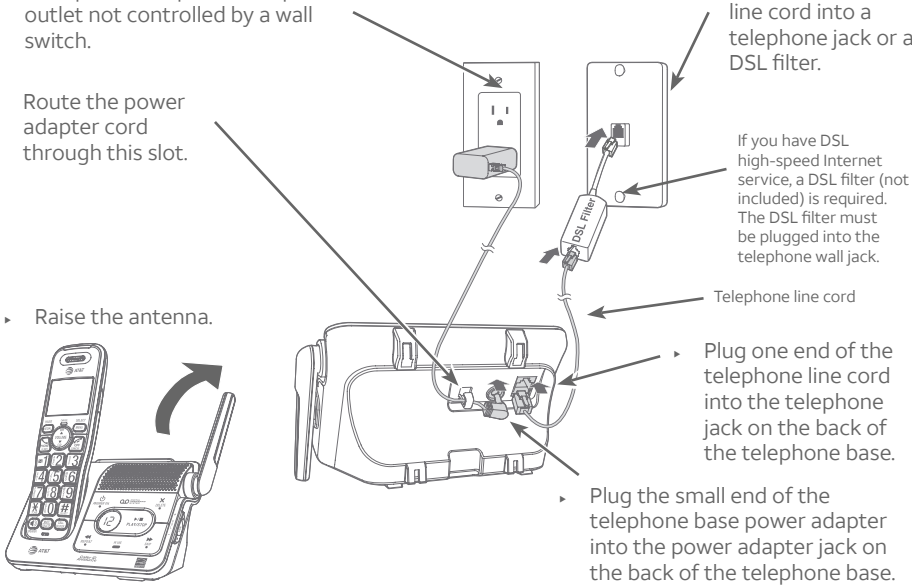
- › Communication devices such as television sets, VCRs, or other cordless telephones.
- › Excessive heat sources.
- › Noise sources such as a window with traffic outside, motors, microwave ovens, refrigerators, or fluorescent lighting.
- › Excessive dust sources such as a workshop or garage.
- › Excessive moisture.
- › Extremely low temperature.
- › Mechanical vibration or shock such as on top of a washing machine or workbench.

Telephone base and charger installation

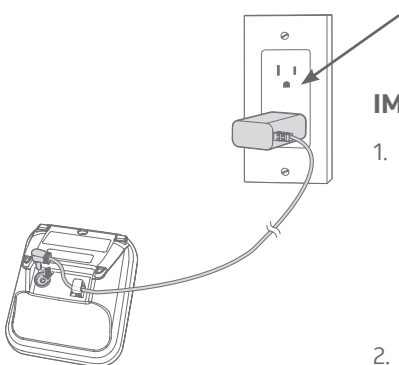
Install the telephone base and charger, as shown below.

The telephone base is ready for tabletop use. If you want to change to wall-mounting, see **Installation options** on page 13 for details.

Telephone base installation


- ▶ Plug the large end of the telephone base power adapter into a power outlet not controlled by a wall switch.
 - ▶ Plug the other end of the telephone line cord into a telephone jack or a DSL filter.
 - ▶ Route the power adapter cord through this slot.
 - ▶ Raise the antenna.
 - ▶ Plug one end of the telephone line cord into the telephone jack on the back of the telephone base.
 - ▶ Plug the small end of the telephone base power adapter into the power adapter jack on the back of the telephone base.
- If you have DSL high-speed Internet service, a DSL filter (not included) is required. The DSL filter must be plugged into the telephone wall jack.
- 



Charger installation

- ▶ Plug the power adapter into a power outlet not controlled by a wall switch.
- 
- IMPORTANT INFORMATION**
1. Use only the power adapter(s) supplied with this product. To order a replacement power adapter, visit our website at <https://telephones.att.com> or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.
 2. The power adapters are intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

Battery installation and charging

Install the battery, as shown below. Once you have installed the battery, the screen indicates the battery status (see the following table). If necessary, place the handset in the telephone base or charger to charge the battery. For best performance, keep the handset in the telephone base or charger when not in use. The battery is fully charged after 10 hours of continuous charging. See the table on page 108 for battery operating times.

If the screen shows **Put in charger** and  flashes, you need to charge the handset without interruption for at least 30 minutes to give the handset enough charge to use the telephone for a short time. The following table summarizes the battery charge indicators and actions to take.

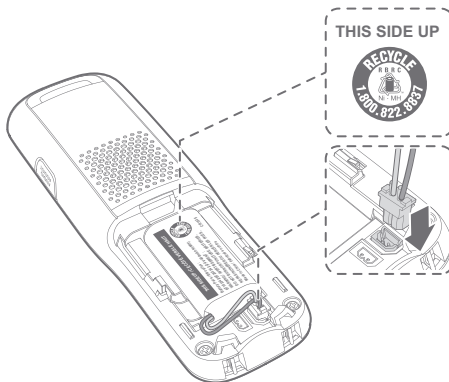
Battery indicators	Battery status	Action
The screen is blank, or shows Put in charger and  (flashing).	Battery has no or very little charge. The handset cannot be used.	Charge without interruption (at least 30 minutes).
The screen shows Low battery and  (flashing).	Battery has enough charge to be used for a short time.	Charge without interruption (at least 30 minutes).
The screen shows HANDBSET X .	Battery is charged.	To keep the battery charged, place it in the telephone base or charger when not in use.



NOTE: If you are on a phone call in low battery mode, you hear four short beeps every minute.

Step 1

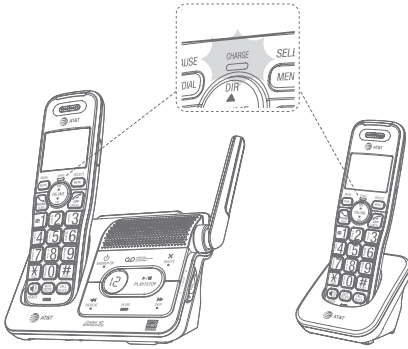
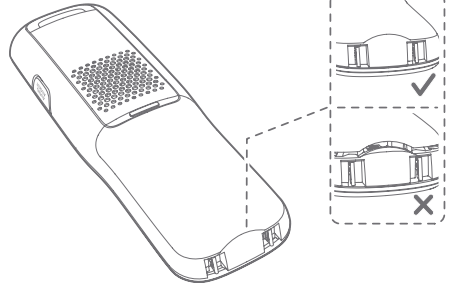
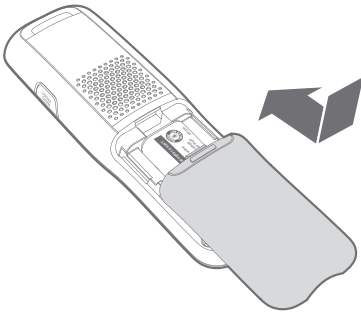
Plug the battery connector securely into the socket inside the handset battery compartment. Insert the supplied battery with the label **THIS SIDE UP** facing up, as indicated.



Battery installation and charging

Step 2

Align the cover flat against the battery compartment, then slide it upwards until it clicks into place.



Step 3

Charge the handset by placing it face forward in the telephone base or charger. The **CHARGE** light on the handset is on during charging.

IMPORTANT INFORMATION

1. Use only the supplied rechargeable battery or replacement battery (model BT162342/ BT262342). To order, visit our website at <https://telephones.att.com> or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.
2. If you do not use the handset for a long time, disconnect and remove the battery to prevent possible leakage.

Set date/time

After you install your telephone or power returns following a power outage, the handset will prompt you to set the date and time. For instructions, see **Set date/time** on page 17. To skip setting the date and time, press **OFF/CANCEL** on the handset.



Voice guide to set Smart call blocker and answering system

After you install your telephone for the first time, the telephone base will prompt if you want to set Smart call blocker and answering system. Follow the voice guide to set or skip the settings.

Voice guide to set Smart call blocker

The telephone base announces, *"Hello! This voice guide will assist you with the basic setup of Smart call blocker..."*.

With the voice guide, you can set your Smart call blocker:

- To screen calls with telephone numbers that are not saved in your directory, allow list or star name list.

-OR-

- Do not screen calls, and allow all incoming calls to get through.

Listen to the instructions to set up your Smart call blocker.

If you intend to set your Smart call blocker to screen all incoming calls, we recommend that you add the phone numbers of your family members and friends, and desired businesses to your **Directory** (see page 31) or **Allow list** (see page 55), or add their names to the **Star name list** (see page 60). This will avoid Smart call blocker to screen their calls.

For more details, see **Smart call blocker** on page 44.

Voice guide to set Answering system

After the Smart call blocker setting is done or skipped, the telephone base will then prompt if you want to set up the answering system. Listen to the instructions to set up your answering system.

Stop the voice guide

- While the voice guide is playing, press **DELETE** on the telephone base.

Restart the voice guide

- On the telephone base, press the keys in the following sequence.

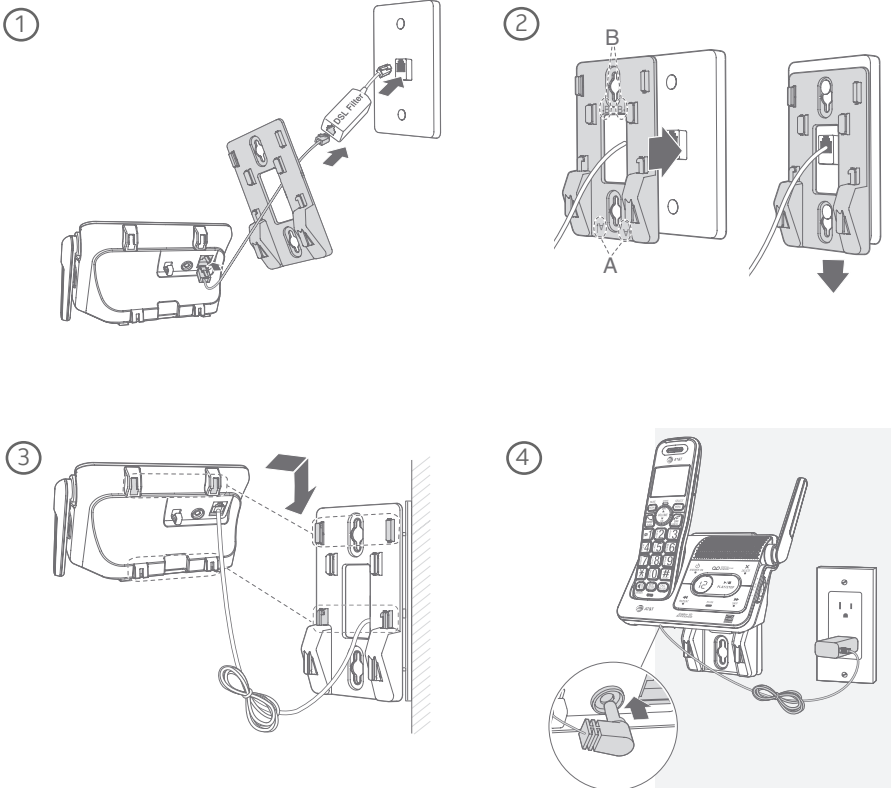
**▶▶/SKIP — ▶▶/SKIP — ▶▶/SKIP — ◀◀/REPEAT — ◀◀/REPEAT — ▶▶/SKIP
— ▶/■/PLAY/STOP**

Installation options

Your telephone base is ready for tabletop use. If you want to mount your telephone on a wall, use the provided wall-mount bracket to connect with a standard dual-stud telephone wall-mounting plate. If you do not have this mounting plate, you can purchase one from many hardware or consumer electronic retailers. You might need a professional to install the mounting plate.

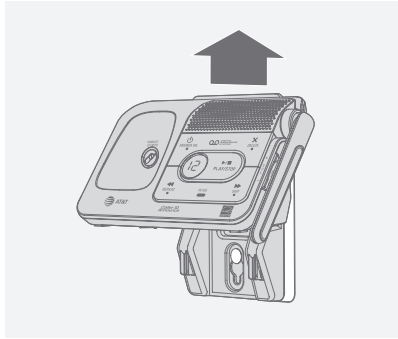
Tabletop to wall-mount installation

1. Plug the telephone line into the telephone base. If you are using a DSL filter, plug the other end of the telephone line into the filter. Route the telephone line cord (or DSL filter) through the wall-mount bracket hole.
2. Align the holes on the wall-mount bracket with the standard wall plate and slide the wall-mount bracket down until it locks securely.
3. Position the telephone base, as shown below. Insert the extended tabs of the wall-mount bracket into the slots on the back of the telephone base. Push the telephone base down until it is securely in place.
4. Plug the power adapter into a power outlet not controlled by a wall switch. Plug the other end of the power adapter into the telephone base. Bundle the telephone line cord and power adapter cord neatly with twist ties.

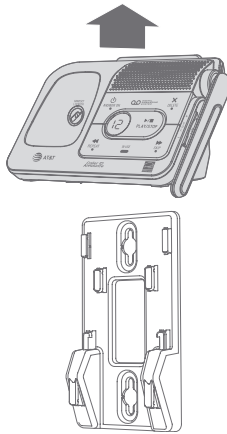


Wall-mount to tabletop installation

1. Unplug the large end of the power adapter from the electrical outlet.
2. If the telephone line cord and power adapter cord are bundled, untie them first. Slide the wall-mount bracket up and remove it from the wall-mounting plate.



3. Unplug the telephone line cord or the DSL filter from the telephone wall jack. Push the telephone base up and away from the wall-mount bracket to detach it from the wall-mount bracket.



4. See **Telephone base and charger installation** on page 8.

Telephone settings

Use the menu to change the telephone settings.


1. Press **MENU/SELECT** when in idle mode (when the phone is not in use) to enter the main menu.
2. Press **▼CID** or **▲DIR** to scroll to the feature to be changed.
3. Press **MENU/SELECT** to select the highlighted item.



NOTE: Press **OFF/CANCEL** to cancel an operation, back up to the previous menu or exit the menu display. Press and hold **OFF/CANCEL** to return to idle mode.

Telephone settings

Ringer volume

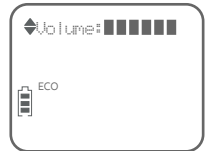
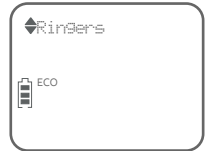
You can set the ringer volume level (1-6) to one of six levels or turn the ringer off. When the ringer is off,  appears on the screen.

1. Press **MENU/SELECT** in idle mode to enter the main menu.
2. Use **▼CID** or **▲DIR** to scroll to **Ringers**, then press **MENU/SELECT**.
3. Press **MENU/SELECT** again to select **Ringer volume**.
4. Press **▼CID** or **▲DIR** to sample each volume level.
5. Press **MENU/SELECT** to save your preference. There is a confirmation tone and the screen returns to the previous menu.



NOTES:

- ▶ The handset ringer volume also determines the ringer volume for intercom calls.
- ▶ If the ringer volume is set to off, that handset is silenced for all incoming calls. However, the handset still plays the paging tone when responding to the handset locator.
- ▶ If the ringer volume is set to off, the caller ID will not be announced.



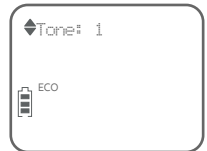
Ringer tone

You can choose one of 10 ringer tones.

1. Press **MENU/SELECT** in idle mode to enter the main menu.
2. Use **▼CID** or **▲DIR** to scroll to **Ringers**, then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Ringer tone**, then press **MENU/SELECT**.
4. Press **▼CID** or **▲DIR** to sample each ringer tone.
5. Press **MENU/SELECT** to save your preference. There is a confirmation tone and the screen returns to the previous menu.



NOTE: If you turn off the ringer volume, you do not hear ringer tone samples.



Telephone settings

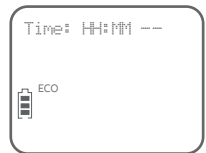
Set date/time

The answering system announces the day and time of each message prior to playing it. Before using the answering system, set the date and time as follows. If you subscribe to caller ID service, the day, month and time are set automatically with each incoming call. The year must be set so that the day of the week can be calculated from the caller ID information.

After handset registration or a power failure, the handset will prompt you to set the date and time.

Follow the steps to set the month, day, year and time.

1. When the handset is in idle mode, press **MENU/SELECT** to enter the main menu.
2. Press **▼CID** or **▲DIR** to scroll to **Set date/time** and then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to choose the month, then press **MENU/SELECT**, or enter the number using the dialing keys.
4. Press **▼CID** or **▲DIR** to choose the day, then press **MENU/SELECT**, or enter the number using the dialing keys.
5. Press **▼CID** or **▲DIR** to choose the year, then press **MENU/SELECT**, or enter the number using the dialing keys, then press **MENU/SELECT** to move on to set the time.
6. Press **▼CID** or **▲DIR** to choose the hour, then press **MENU/SELECT**, or enter the number using the dialing keys.
7. Press **▼CID** or **▲DIR** to choose the minute, then press **MENU/SELECT**, or enter the number using the dialing keys.
8. Press **▼CID** or **▲DIR** to choose **AM** or **PM**, then press **MENU/SELECT** to confirm. There is a confirmation tone and the screen returns to the previous menu.



NOTE: If the clock is not set when a message is recorded, the system announces, "Time and day not set," before it plays the message.

Telephone settings

LCD language

You can select the language used for all screen displays.

1. Press **MENU/SELECT** in idle mode to enter the main menu.
2. Use **▼CID** or **▲DIR** to scroll to **Settings**, then press **MENU/SELECT**.
3. Press **MENU/SELECT** to choose **LCD language**.
4. Press **▼CID** or **▲DIR** to highlight **English, Français** or **Español**, then press **MENU/SELECT** to confirm.



NOTE: If you accidentally change the LCD language to French or Spanish, you can reset it back to English without going through the French or Spanish menus. Press **MENU/SELECT** in idle mode, then enter ***364#**. There is a confirmation tone.



Caller ID announce

The caller ID announce feature lets you know who's calling without having to look at the display. When you have an incoming call, the handset and/or base speaks "Call from..." and the name of the caller based on the directory or caller ID information. If the caller's name is private or unknown, the phone number up to the last 11 digits will be spoken. If the caller's phone number is also private or unknown, no information will be spoken.

To turn on/off the caller ID announce on your handset or base:

1. Press **MENU/SELECT** in idle mode to enter the main menu.
2. Use **▼CID** or **▲DIR** to scroll to **Caller ID annc**, then press **MENU/SELECT**.
3. Use **▼CID** or **▲DIR** to select **On** or **Off**, then press **MENU/SELECT**.



NOTES:

- ▶ To use the caller ID announce feature, you must subscribe to caller ID service from your telephone service provider.
- ▶ This feature does not announce information for call waiting calls.
- ▶ It takes at least two rings for the phone to receive caller ID information and announce it. If the phone is answered before the end of the second ring, the phone won't have time to announce the caller's information.
- ▶ Pronunciation of names may vary with this feature. Not all names may be pronounced correctly.
- ▶ Caller ID announce is available in English only.



Telephone settings

Set speed dial voicemail number

This feature lets you save your voicemail number for easy access when you press and hold the **☑ 1** key.

To set your voicemail number:

1. Press **MENU/SELECT** in idle mode to enter the main menu.
2. Use **▼CID** or **▲DIR** to scroll to **Settings**, then press **MENU/SELECT**.
3. Use **▼CID** or **▲DIR** to scroll to **Voicemail #**, then press **MENU/SELECT**.
4. Use the dialing keys to enter the voicemail access number provided by your telephone service provider (up to 30 digits) when prompted.
 - ▶ Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - ▶ Press **MUTE/DELETE** to erase a digit.
 - ▶ Press and hold **MUTE/DELETE** to erase all digits.
 - ▶ Press **REDIAL/PAUSE** to enter a three-second dialing pause (a **P** appears).
5. Press **MENU/SELECT** to save.

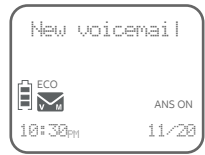


Telephone settings

Voicemail (visual message waiting) indicator

If you subscribe to a voicemail service offered by your telephone service provider, this feature provides a visual indicator when you have new voicemail messages.


New voicemail and the  icon appear on the handset screen.



NOTES:

- ▶ This feature does not indicate new messages recorded on your phone's built-in answering system.
- ▶ For more information about the difference between your answering system and voicemail, see page 77.

Clear voicemail indicator

Use this feature when the telephone indicates there is new voicemail but there is none. For example, when you have accessed your voicemail while away from home. This feature only turns off the displayed **New voicemail** and the  icon; it does not delete your voicemail messages. As long as you have new voicemail messages, your telephone service provider continues to send the signal to turn on the indicators.

To manually turn off the new voicemail indicators:

1. Press **MENU/SELECT** when in idle mode to enter the main menu.
2. Use **▼CID** or **▲DIR** to scroll to **Settings**, then press **MENU/SELECT**.
3. Use **▼CID** or **▲DIR** to scroll to **Clr voicemail**, then press **MENU/SELECT**.



NOTES:

- ▶ Your telephone service provider voicemail might alert you to new messages with a stutter (broken) dial tone. Contact your telephone service provider for more details.
- ▶ For information about using your voicemail service, contact your telephone service provider.

Telephone settings

Key tone

The handset is set to beep with each key press. You can adjust the key tone volume or turn it off. If you turn off the key tone, there are no beeps when you press keys.

1. Press **MENU/SELECT** in idle mode to enter the main menu.
2. Use **▼CID** or **▲DIR** to scroll to **Settings**, then press **MENU/SELECT**.
3. Use **▼CID** or **▲DIR** to scroll to **Key tone**, then press **MENU/SELECT**.
4. Use **▼CID** or **▲DIR** to select **On** or **Off**.
5. Press **MENU/SELECT** to save your preference. There is a confirmation tone and the screen returns to the previous menu.



Home area code

If you dial 7 digits to make a local call (no area code required), enter your area code into the telephone as the home area code. When you receive a call from within your home area code, the caller ID history only displays the 7 digits of the telephone number.

This feature makes it easy for you to place a call from the caller ID log. If you dial 10 digits to make a local phone call, do not use this home area code feature. If you do, you cannot place local calls from your caller ID log, as they will have only 7 digits.

To set the home area code:

1. Press **MENU/SELECT** in idle mode to enter the main menu.
2. Use **▼CID** or **▲DIR** to scroll to **Settings**, then press **MENU/SELECT**.
3. Use **▼CID** or **▲DIR** to scroll to **Home area code**, then press **MENU/SELECT**.
4. Use the dialing keys to enter a three-digit home area code.
 - ▶ Press **MUTE/DELETE** to delete a digit.
 - ▶ Press and hold **MUTE/DELETE** to delete all digits.
5. Press **MENU/SELECT** to save.



NOTE: If in the future, your telephone service provider requires you to dial 10 digits to make a local call (area code plus telephone number), you need to delete your home area code and dial out locally from the caller ID log. With the home area code displayed, press and hold **MUTE/DELETE** until the digits are deleted, and then press **MENU/SELECT**. The home area code is now restored to its default setting of ___ (empty).

Telephone settings

Dial mode

The dial mode is preset to tone dialing. If you have pulse (rotary) service, you must change the dial mode to pulse dialing before using the telephone.

To set the dial mode:


1. Press **MENU/SELECT** in idle mode to enter the main menu.
2. Use **▼CID** or **▲DIR** to scroll to **Settings**, then press **MENU/SELECT**.
3. Use **▼CID** or **▲DIR** to scroll to **Dial mode**, then press **MENU/SELECT**.
4. Use **▼CID** or **▲DIR** to highlight **Touch-tone** or **Pulse**, then press **MENU/SELECT**. There is a confirmation tone and the screen returns to the previous menu.



QUIET mode

When **QUIET** mode is turned on, the telephone silences all sounds during the set period of time (1-12 hours). After you turn on **QUIET** mode, this feature activates immediately and the answering system turns on automatically. When **QUIET** mode is on, the answering system takes calls and records messages without broadcasting them.

To turn QUIET mode on:

1. Press and hold QUIET # in idle mode to enter the **QUIET** mode setting screen. The screen shows **Quiet: __ hours (1-12 hours)**.
2. Use the dialing keys to enter the desired number of hours (1-12) you would like to turn on **QUIET** mode, then press **MENU/SELECT**. Your screen shows **Quiet mode on** and .

To turn QUIET mode off:

- ▶ While **QUIET** mode is on, press and hold QUIET #. The screen then shows **Quiet mode is off** and you hear a confirmation tone.



NOTES:

- ▶ If you change the base ringer, handset ringer, ringer volume, key tone, or caller ID announce features when QUIET mode is on, the sample plays but the feature is still muted after saving the setting.
- ▶ After QUIET mode is turned off or the set period of time has expired, all muted features will be activated again.
- ▶ Intercom is available during QUIET mode, but the handset will not ring.
- ▶ When QUIET mode is on, and Smart call blocker is on and in screening mode, all screened calls will be sent to the answering system after screening. For more information on Smart call blocker, see page 44.

Telephone operation

Making a call

- ▶ Press **\PHONE/FLASH** or **☎/SPEAKER**, then enter the telephone number.

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



NOTE: Pressing **\PHONE/FLASH** to access services from your telephone service provider does not affect the elapsed time.

Elapsed time



On hook dialing (predialing)

1. Enter the telephone number. Press **MUTE/DELETE** to make corrections when entering the phone number.
2. Press **\PHONE/FLASH** or **☎/SPEAKER** to dial.



Answering a call

- ▶ Press **\PHONE/FLASH** or **☎/SPEAKER**.



Ending a call

Press **☎/OFF/CANCEL** or return the handset to the telephone base or charger.

Auto off

A call ends automatically when you put the handset in the telephone base or charger.

Temporary ringer silencing

Press **☎/OFF/CANCEL** or **MUTE/DELETE** while the telephone is ringing to silence the ringer temporarily on that handset only. This turns off the ringer without disconnecting the call. **Ringer muted** will display temporarily. The next incoming call rings normally at the preset volume.

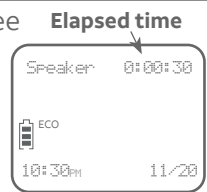


NOTE: Each handset rings when there is an incoming call unless the ringer volume is turned off on that handset.

Telephone operation

Speakerphone

During a call, press **🔊/SPEAKER** to switch between handsfree speakerphone and normal handset use. Press **🔌/OFF/CANCEL** to hang up or return the handset to the telephone base or charger.



NOTES:

- ▶ When you use the speakerphone, the key pad of the handset and the **🔊/SPEAKER** button are lit.
- ▶ The speakerphone uses more power than the normal handset. If the handset battery becomes very low while you are using the speakerphone, the call remains in speakerphone mode until you hang up or the battery becomes depleted.
- ▶ After installing a battery into the handset, the screen may show **Low battery**. If you use the speakerphone at this time, the battery may become depleted. Follow the instructions in the **Battery installation and charging** section on pages 6-7.

Last number redial

Each handset stores the last 10 telephone numbers dialed (up to 30 digits).

To view the 10 most recently dialed numbers:

- ▶ To display the most recently called number, press **REDIAL/PAUSE**.
- ▶ To view up to 10 recently called numbers, press **REDIAL/PAUSE**, then **▼CID** or **▲DIR**, or press **REDIAL/PAUSE** repeatedly.

The handset beeps twice at the end of the list. Press **🔌/OFF/CANCEL** to exit.

To redial a number:

- ▶ To dial the displayed number, press **📞/PHONE/FLASH** or **🔊/SPEAKER**.
- OR-
- ▶ Press **📞/PHONE/FLASH** or **🔊/SPEAKER**, then press **REDIAL/PAUSE** repeatedly to view the redial memory. Press **MENU/SELECT** to dial the displayed number.



To delete a number:

- ▶ While the screen displays the desired number, press **MUTE/DELETE** to delete the number from the redial memory.

Telephone operation


Handset locator

The handset locator feature is useful if you misplace any handsets.

To start the paging tone:

- Press /**HANDSET LOCATOR** on the telephone base to start the paging tone on all handsets for 60 seconds.



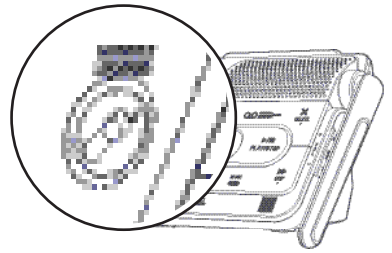
NOTE: If you press  **OFF/CANCEL** or **MUTE/DELETE** on a handset, the ringer of that handset stops, but the paging to the rest of the handsets continues.

To stop the paging tone:

- Press **\PHONE/FLASH**, /**SPEAKER**, or any dialing key (**0-9**, **TONE** , or **#**) on the handset(s).

-OR-

- Press /**HANDSET LOCATOR** on the telephone base.



Options while on calls

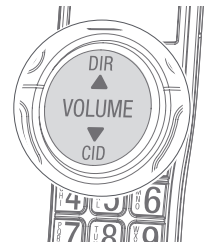
Volume control

To adjust the listening volume of a handset:

- Press ▲ **VOLUME** or ▼ **VOLUME** on the handset while on a call.

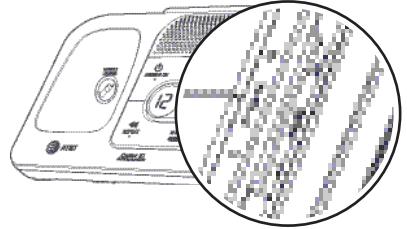
To adjust the listening volume of the telephone base:

- Press ▼ **VOL** or ▲ **VOL** while listening to the message playback on the telephone base.



NOTES:

- Handset and speakerphone volume settings are independent.
- When the volume reaches the minimum or maximum setting, you hear two beeps.



Call waiting

If you subscribe to call waiting service from your telephone service provider, and someone calls while you are already on a call, you hear two beeps. Press **PHONE/FLASH** to put your current call on hold and take the new call.

Press **PHONE/FLASH** at any time to switch back and forth between calls.



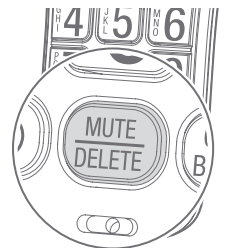
NOTE: Missed call waiting calls are not counted as missed calls.

Mute

Use the mute function to turn off the microphone. You can hear the caller, but the caller cannot hear you.

To mute a call:

- While on a call, press **MUTE/DELETE**. When mute is on, the handset screen shows **Muted** until you turn off mute.



To end mute a call:

- Press **MUTE/DELETE** again. When mute is off, **Microphone on** appears temporarily on the handset screen.



Options while on calls

Chain dialing

Use this feature to initiate a dialing sequence from the numbers in the directory, caller ID history or redial memory while you are on a call.

Chain dialing is useful when you wish to access other numbers (such as bank account numbers or access codes) from the directory, caller ID history or redial list.

To access the directory while on a call:

1. Press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Directory** and then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to the desired number.
4. Press **MENU/SELECT** to dial the number shown.

**To access the caller ID log while on a call:**

1. Press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Caller ID log**, then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to the desired number.
4. Press **MENU/SELECT** to dial the number shown.

**To access the redial list while on a call:**

1. Press **REDIAL/PAUSE** to show the most recently dialed number.
2. Press **▼CID** or **▲DIR** to scroll to the desired number, or press **REDIAL/PAUSE** repeatedly to show the last 10 recently dialed numbers. Then, press **MENU/SELECT** to dial the number shown.

**NOTES:**

- ▶ You cannot edit a directory entry while on a call. For more details about the directory, see page 31.
- ▶ You cannot copy a caller ID entry into the directory while on a call. For more details about the caller ID history, see page 36.
- ▶ If you press **REDIAL/PAUSE** while on a call, you can only view the 10 most recently dialed numbers and you cannot erase the entries. For more details about the redial memory, see page 24.
- ▶ Press **OFF/CANCEL** to exit redial, directory or caller ID history when on a call.

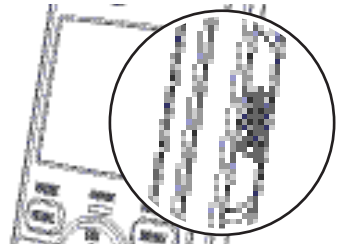
Options while on calls

Audio Assist®

The Audio Assist® feature makes voices sound louder and clearer.

To turn the Audio Assist® feature on:

Press **AUDIO ASSIST®** while you are on a call using the handset, the screen shows **AUDIO ASSIST**.



To turn the Audio Assist® feature off:

Press **AUDIO ASSIST®** again. This feature is also turned off automatically after you hang up.

Temporary tone dialing

If you have pulse (rotary) service only, you can switch from pulse to touch-tone dialing temporarily during a call. This is useful if you need to send touch-tone signals to access your telephone banking or long distance services.

1. During a call, press **TONEX**.
2. Use the dialing keys to enter the desired number. The telephone sends touch-tone signals.
3. The telephone automatically returns to pulse dialing after you end the call.

Join a call in progress

When a handset is already on a call and you would like to join the call, press **PHONE/FLASH** or **PHONE/SPEAKER** on your handset.

Press **OFF/CANCEL** or place the handset in the telephone base or charger to end the call. The call does not end until all handsets hang up.



NOTE: You can use a maximum of four system handsets at the same time on an outside call.

Intercom

Use the intercom feature for conversations between two handsets. This feature is only available if you have at least two system handsets. You can buy accessory handsets (AT&T model **BL102-0**) to expand your system.

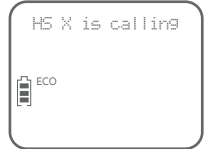
Use a handset to initiate intercom calls.

1. Press **MENU/SELECT** on the handset in idle mode to enter the main menu. Press **▼CID** or **▲DIR** to scroll to **Intercom**, then press **MENU/SELECT**.

2. If you have two system handsets, the handset shows **Calling HS X** (X represents the handset number). The destination device rings and shows **HS X is calling**.

-OR-

If you have more than two system handsets, press **▼CID** or **▲DIR** to select a device, or use the dialing keys to enter a device number (1-5). The handset shows **Calling HS X**. The destination handset rings and shows **HS X is calling**.



To answer an intercom call:

- Press **PHONE/FLASH**, or **🔊/SPEAKER** on the called handset. Both handsets now show **Intercom**.

To end an intercom call:

- Press **OFF/CANCEL** or places the handset back in the telephone base or charger.



NOTES:

- Before the intercom call is answered, you can cancel it by pressing **OFF/CANCEL**.
- If the called party does not answer within 100 seconds or if the handset is in use, on a call or out of range, the calling handset shows **No answer. Try again..**
- Pressing **OFF/CANCEL** or **MUTE/DELETE** temporarily silences the intercom ringer.
- You can only use one pair of handsets to make intercom calls at a time.

Answer an incoming call during an intercom call

If you receive an incoming outside call during an intercom call, there is a two-beep call waiting tone.

- To answer the call, press **PHONE/FLASH**. The intercom call ends automatically. The party on the intercom call hears four beeps. Other system handsets can also answer the incoming call by pressing **PHONE/FLASH**.

Call transfer using intercom

Use the intercom feature to transfer an outside call to another system handset. You can also share an outside call with another system handset. This feature is available only if you have two or more handsets.

To transfer or share an outside call using intercom:

1. When on an outside call, press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Intercom** and press **MENU/SELECT**. The call is automatically put on hold.
3. If you have two system handsets, the handset shows **Calling HS X** (X represents the handset number). The destination device rings and shows **HS X is calling**.



-OR-

If you have more than two system handsets, press **▼CID** or **▲DIR** to select a device, or use the dialing keys to enter a device number (**1-5**). The handset shows **Calling HS X**. The destination handset rings and shows **HS X is calling**.

4. To answer the intercom call on the other handset, press **PHONE/FLASH**, or **▶)/SPEAKER** on the destination handset. The outside call is still on hold. Both devices now show **Intercom**.
5. To transfer the call, press **OFF/CANCEL** or place the handset back in the telephone base or charger. The other handset automatically connects to the outside call.

-OR-

You can let the other device join you on the outside call in a three-way conversation. Press **PHONE/FLASH** on the originating or destination handset.

-OR-

The called party can end the intercom call by pressing **OFF/CANCEL** or by placing the other handset back in the telephone base or charger. The outside call continues with the originating handset.

About the directory

The directory stores up to 50 entries with up to 30 digits for each phone number and 15 characters for each name. A convenient search feature can help you find and dial numbers quickly (page 34).

- ▶ The directory is shared by all handsets. Changes made to the directory from any handset apply to all.
- ▶ Only one handset can review the directory at a time. If another handset tries to enter the directory, its screen shows **Not available**.
- ▶ When there are no records in the directory, the screen shows **List empty**.
- ▶ When you try to save a number already stored in the directory, the screen shows **Number repeated**.
- ▶ Directory entries can also be saved to the allow list or block list. See **Allow list** on page 55 and **Block list** on page 50.
- ▶ When Smart call blocker is on, calls with numbers saved in the directory will get through and ring on your telephone. If a number saved in the directory is also saved in the block list, calls from this number will be blocked.



Create directory entries

Create a new directory entry

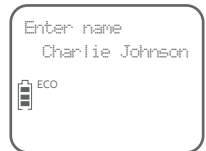
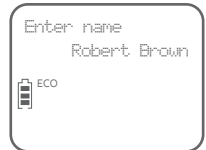
1. Press **MENU/SELECT** in idle mode to enter the main menu.
2. Press **▼CID** or **▲DIR** to scroll to **Directory**, then press **MENU/SELECT**.
3. Press **MENU/SELECT** to choose **Add new entry**.
4. Use the dialing keys to enter a telephone number (up to 30 digits) when prompted.
 - ▶ Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - ▶ Press **MUTE/DELETE** to erase a digit.
 - ▶ Press and hold **MUTE/DELETE** to erase all digits.
 - ▶ Press and hold **REDIAL/PAUSE** to enter a 3-second dialing pause (a **P** appears).

-OR-

Copy a number from the redial list by pressing **REDIAL/PAUSE**, then **▼CID** or **▲DIR**, or pressing **REDIAL/PAUSE** repeatedly to locate the number. Press **MENU/SELECT** to copy the number.

5. Press **MENU/SELECT** to move on to the name.

The display shows **Number repeated** if the number is already in the directory. You cannot save the same number twice.
6. Use the dialing keys to enter a name (up to 15 characters) when prompted. Each time you press a key, the character on that key appears. Additional key presses produce other characters on that key. See the chart on the next page.
 - ▶ Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - ▶ Press **0** to add a space.
 - ▶ Press **MUTE/DELETE** to erase a character.
 - ▶ Press and hold **MUTE/DELETE** to erase all characters.
 - ▶ Press **TONE*** to change the next letter to upper or lower case.
7. Press **MENU/SELECT** to store your new directory entry. There is a confirmation tone and the screen shows **Saved**. To change the entry later, see page 35.



NOTE: The first letter of every word is a capital letter. The remaining letters in a word start as lower case letters, as shown in the chart on the next page.

Create directory entries

Dialing keys	Characters by number of key presses										
	1	2	3	4	5	6	7	8	9	10	11
1	1	.	-	'	()	*	#	&	/	,
2	A	B	C	a	b	c	2				
3	D	E	F	d	e	f	3				
4	G	H	I	g	h	i	4				
5	J	K	L	j	k	l	5				
6	M	N	O	m	n	o	6				
7	P	Q	R	S	p	q	r	s	7		
8	T	U	V	t	u	v	8				
9	W	X	Y	Z	w	x	y	z	9		
0	space	0									
*											
#											

Add a predialed telephone number to the directory

You can save a predialed telephone number to the directory.

1. Enter the telephone number when in idle mode.
2. Follow the steps in **Edit a directory entry** on page 35.

Review the directory

Review directory entries

1. Press **DIR▲** when in idle mode. The summary screen shows briefly and then the first entry in the directory shows.
2. Press **▼CID** or **▲DIR** to browse through the directory. Entries appear alphabetically by the first letter in the name.

-OR-

1. Press **MENU/SELECT** when in idle mode.
2. Press **▼CID** or **▲DIR** to scroll to **Directory**, then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to Review, then press **MENU/SELECT**.
4. Press **▼CID** or **▲DIR** to browse through the directory. Entries appear alphabetically by the first letter in the name.



NOTES:

- ▶ If the telephone number in the directory exceeds 15 digits, **<*** appears in front of the telephone number. Press **-tone X** to move towards the end of the telephone number or press **#** to move towards the beginning of the telephone number.
- ▶ **List empty** appears if there are no directory entries.

Search by name

1. Press **DIR▲** in idle mode to show the first listing in the directory.
2. When an entry appears, press the dialing keys (**0-9**) to start a name search. The directory shows the first name beginning with the first letter associated with the dialing key, if there is an entry in the directory beginning with that letter. Press **▼CID** or **▲DIR** to scroll through the directory.
3. To see other names starting with the letters on the same dialing key, keep pressing the key. The names appear in alphabetical order.

For example, if you have the names **Jennifer**, **Jessie**, **Kevin** and **Linda** in your directory:

- ▶ If you press **5 (JKL)** once, you see **Jennifer**. Press **▼CID** and you see **Jessie**.
- ▶ If you press **5 (JKL)** twice, you see **Kevin**.
- ▶ If you press **5 (JKL)** three times, you see **Linda**.
- ▶ If you press **5 (JKL)** four times, you see **5** and then the directory entry beginning with 5 or the next closest entry after 5.
- ▶ If you press **5 (JKL)** five times, you see **Jennifer** again.



NOTES:

- ▶ If there is no name matching the first letter of the key you press, the directory shows a name matching the following letters of the key.
- ▶ If you press a key (**0-9**) and no name starts with any of the letters on that key, the directory shows the entry matching the next letter in the directory.

Dial, delete or edit directory entries

To dial, delete or edit a directory entry (name and number), the entry must be displayed on the handset. Use **Review the directory** (page 34) to show an entry.

Display dial

To dial a displayed number from the directory, press **PHONE/FLASH** or **SPEAKER**.

Delete a directory entry

To delete the displayed directory entry, press **MUTE/DELETE**. The screen shows **Delete contact?**. Press **MENU/SELECT** to confirm. There is a confirmation tone and the screen shows **Contact deleted**. You cannot retrieve a deleted entry.



Edit a directory entry

- When a directory entry displays, press **MENU/SELECT**. The screen shows **Enter number** along with the phone number to be edited.
If you only want to edit the name, skip to Step 3.
- To edit the number:
 - Press the dialing keys to add digits.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **MUTE/DELETE** to erase a digit.
 - Press and hold **MUTE/DELETE** to erase all digits.
 - Press and hold **REDIAL/PAUSE** to add a three-second pause, if desired.
- Press **MENU/SELECT** to save the number. The screen shows **Enter name** along with the name to be edited.
- To edit the name:
 - Press the dialing keys to add characters (page 31).
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **MUTE/DELETE** to erase a character.
 - Press and hold **MUTE/DELETE** to erase all characters.
 - Press **TONEX** to change the next letter to upper or lower case.
- Press **MENU/SELECT**. There is a confirmation tone and the screen shows **Saved**.

About caller ID

This product supports caller ID services offered by most telephone service providers. Caller ID allows you to see the name, number, date and time of calls. The available caller ID information will appear after the first or second ring.

Information about caller ID with call waiting

Caller ID with call waiting lets you see the name and telephone number of the caller before answering the call, even while on another call.

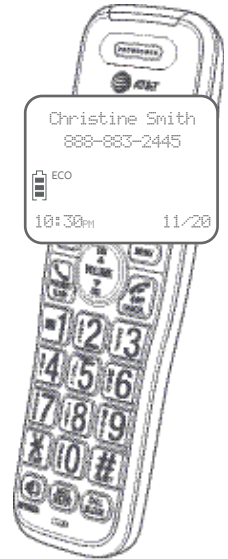
It might be necessary to change your telephone service to use this feature. Contact your telephone service provider if:

- You have both caller ID and call waiting, but as separate services (you might need to combine these services).
- You have only caller ID service, or only call waiting service.
- You don't subscribe to caller ID or call waiting services.

There are fees for caller ID services. In addition, services 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 service providers use compatible equipment. The time and date, along with the call information, are from the telephone service provider.

Caller ID information might not be available for every incoming call. Callers may intentionally block their names and/or telephone numbers. To view caller ID log entries with numbers between 16 and 24 digits, you must save the entry to the directory (see page 40).

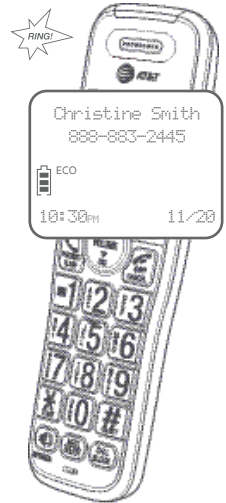


NOTE: You can use this product with regular caller ID service, or you can use this product's other features without subscribing to caller ID or combined caller ID with call waiting service.

Caller ID history

How the caller ID history (caller ID log) works

The telephone stores caller ID information about the last 50 incoming calls in the telephone base. Entries are stored in reverse chronological order. The phone deletes the oldest entry when the log is full to make room for new calls. This information is common to all handsets, so changes made using any handset are reflected in all other handsets. If you answer a call before the information appears on the screen, it does not show in the caller ID history.



NOTE: Each entry may have up to 24 digits for the phone number and 15 characters for the name.

Missed (new) call indicator

When a handset is in idle mode and has new or missed calls, its screen shows **XX Missed calls**.

All new or missed entries are counted as missed calls. Each time you review a new caller ID log entry (indicated by **NEW** on the handset screen), the number of missed calls decreases by one.

If you do not want to review the missed calls one by one, but still want to keep them in the caller ID history, you can press and hold **OFF/CANCEL** for four seconds when the handset is idle. All the entries in the caller ID history become old (reviewed already), and the missed calls message goes away.



Caller ID operation

Memory match

If the incoming telephone number matches the last seven digits of a telephone number in your directory, the name that appears on the screen matches the corresponding name in your directory.

For example, if Christine Smith calls, her name appears as **Chris** if this is how you entered it into your directory.



NOTE: The number shown in the caller ID log will be in the format sent by the telephone service provider. The telephone service provider usually delivers 10-digit phone numbers (area code plus telephone number). If the telephone number of the caller does not match a number in your directory, the name will appear as it is delivered by the telephone service provider.



Review the caller ID history

Review the caller ID history to find out who called, to return the call, or to copy the caller's name and number into your directory. **List empty** appears if there are no records in the caller ID log.

1. When a handset is in idle mode, press **▼CID** to review the caller ID history in reverse chronological order starting with the most recent call.

-OR-

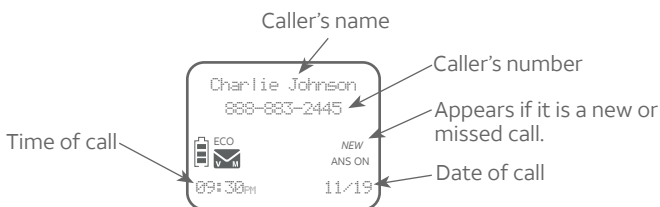
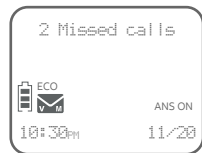
Review the caller ID history by pressing **MENU/SELECT**. Press **▼CID** or **▲DIR** to scroll to **Caller ID log**, then press **MENU/SELECT** twice to select **Review**.

2. Press **▼CID** or **▲DIR** to scroll through the list.
3. Press **↵OFF/CANCEL** to exit the caller ID history.

You hear a double beep when the list reaches the beginning or end of the caller ID log.



NOTE: Only one handset can review the caller ID history at a time. If another handset tries to enter the directory or caller ID history, it shows **Not available**.



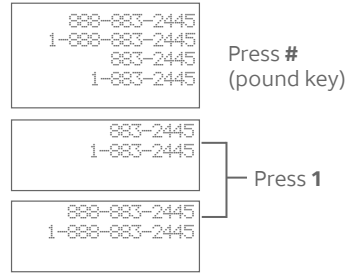
Caller ID operation

View dialing options

Although the incoming caller ID log entries have 10 digits (the area code plus the seven-digit number), in some areas, you might need to dial only the 7 digits, 1 plus the seven digits, or 1 plus the area code plus the seven digits. You can change and store the number of digits that you dial in the caller ID log.

While reviewing the caller ID log, press **#** repeatedly to show different dialing options for local and long distance numbers before dialing or saving the telephone number in the directory.

Press **1** repeatedly if you need to add or remove 1 in front of the telephone number before dialing or saving it in the directory.



When the number is in the correct format for dialing, press **PHONE/FLASH** or **SPEAKER** to call the number.

To save the number to the directory, see **Save a caller ID log entry to the directory** on the next page.

Dial a caller ID log entry

1. When in the caller ID log, press **▼CID** or **DIR▲** to browse.
2. Press **PHONE/FLASH** or **SPEAKER** to dial the displayed entry.

Delete caller ID log entries

To delete an entry:

- Press **MUTE/DELETE** to delete the shown entry.

To delete all entries:

1. Press **MENU/SELECT** when in idle mode.
2. Press **▼CID** or **▲DIR** to scroll to **Caller ID log**, then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Del all**, then press **MENU/SELECT**.
4. When the screen shows **Delete all?**, press **MENU/SELECT** to confirm. There is a confirmation tone and the screen returns to the previous menu.



Save a caller ID log entry to the directory

1. When in the caller ID log, press ▼ **CID** or ▲ **DIR** to browse.
2. Press **MENU/SELECT** to select an entry. The screen displays **EDIT NUMBER**.
3. Use the dialing keys to edit the number.
 - Press ▼ **CID** or ▲ **DIR** to move the cursor to the left or right.
 - Press **MUTE/DELETE** to backspace and erase a digit.
 - Press and hold **MUTE/DELETE** to erase all digits.
 - Press and hold **REDIAL/PAUSE** to insert a three-second dialing pause (a **P** appears).
4. Press **MENU/SELECT** to move to the name. The screen displays **EDIT NAME**. Use the dialing keys (page 31) to edit the name.
 - Press ▼ **CID** or ▲ **DIR** to move the cursor to the left or right.
 - Press **MUTE/DELETE** to erase a character.
 - Press and hold **MUTE/DELETE** to erase all characters.
 - Press **TONE**✕ to change the next letter to upper or lower case.
5. Press **MENU/SELECT** when done. The handset shows **Saved**.



NOTES:

- You might need to change how a caller ID number is dialed if the entry does not appear in the correct format. Caller ID numbers might appear with an area code that is not necessary for local calls, or without a 1 that is necessary for long distance calls (see **View dialing options** on page 39).
- If the name you received from the telephone service provider is all in capital letters, the first letter of every word remains a capital letter, while other letters become lower case. However, the next letter after the prefix “Mac”, “Mc”, or “O”, is kept as a capital letter. For example, the “D” in “MacDonald” is kept as a capital letter. Another exception is that “VAN DER” will be changed to “Van der”.
- If the telephone number from the caller ID information has already been saved in the directory under a different name, the new name will overwrite the old one.

Caller ID operation

Save a caller ID log entry to the allow list

1. When in the caller ID log, press ▼ **CID** or ▲ **DIR** to browse.
2. When the desired entry displays, press **MENU/SELECT**.
3. Press ▼ **CID** or ▲ **DIR** to scroll to **To Allow list**, then press **MENU/SELECT**.
4. When the screen displays **Enter number**, use the dialing keys to edit the number.
 - Press ▼ **CID** or ▲ **DIR** to move the cursor to the left or right.
 - Press **MUTE/DELETE** to backspace and erase a digit.
 - Press and hold **MUTE/DELETE** to erase the entire entry.
 - Press and hold **REDIAL/PAUSE** to insert a three-second dialing pause (a **P** appears).
5. Press **MENU/SELECT** to move to the name.
6. When the screen displays **Enter name**, use the dialing keys to edit the name.
 - Press ▼ **CID** or ▲ **DIR** to move the cursor to the left or right.
 - Press **0** to add a space.
 - Press **MUTE/DELETE** to erase a character.
 - Press and hold **MUTE/DELETE** to erase all characters.
 - Press **TONEX** to change the next letter to upper or lower case.
7. Press **MENU/SELECT** when done. The screen shows **Saved**.

Caller ID operation

Save a caller ID log entry to the block list

1. When in the caller ID log, press ▼ **CID** or ▲ **DIR** to browse.
2. When the desired entry displays, press **MENU/SELECT**.
3. Press ▼ **CID** or ▲ **DIR** to scroll to **To Block list**, then press **MENU/SELECT**.
4. When the screen displays **Enter number**, use the dialing keys to edit the number.
 - Press ▼ **CID** or ▲ **DIR** to move the cursor to the left or right.
 - Press **MUTE/DELETE** to backspace and erase a digit.
 - Press and hold **MUTE/DELETE** to erase the entire entry.
 - Press and hold **REDIAL/PAUSE** to insert a three-second dialing pause (a **P** appears).
5. Press **MENU/SELECT** to move to the name.
6. When the screen displays **Enter name**, use the dialing keys to edit the name.
 - Press ▼ **CID** or ▲ **DIR** to move the cursor to the left or right.
 - Press **0** to add a space.
 - Press **MUTE/DELETE** to erase a character.
 - Press and hold **MUTE/DELETE** to erase all characters.
 - Press **TONE X** to change the next letter to upper or lower case.
7. Press **MENU/SELECT** when done. The screen shows **Saved**.

Save a caller ID log entry to the star name list

1. When in the caller ID log, press ▼ **CID** or ▲ **DIR** to browse.
2. When the desired entry displays, press **MENU/SELECT**.
3. Press ▼ **CID** or ▲ **DIR** to scroll to **To Star name**, then press **MENU/SELECT**. The screen displays **Star the name?**.
4. Press **MENU/SELECT** to confirm.

Reasons for missing caller ID information

There are occasions when other information or no information shows for various reasons:

On-screen message	Reason
PRIVATE NUMBER	The caller prefers not to show the phone number.
PRIVATE NAME	The caller prefers not to show the name.
PRIVATE CALLER	The caller prefers not to show the phone number and name.
UNKNOWN NUMBER	Your telephone service provider cannot determine the caller's number.
UNKNOWN NAME	Your telephone service provider cannot determine the caller's name.
UNKNOWN CALLER	Your telephone service provider cannot determine the caller's name and telephone number. Calls from other countries may also generate this message.

About Smart call blocker*

If you have subscribed to caller ID service, then you can use Smart call blocker to filter robocalls, telemarketing calls and unwanted calls, while allowing welcome calls to get through.

You can set up your lists of welcome callers and unwelcome callers. Smart call blocker allows calls from your welcome callers to get through, and it blocks calls from your unwelcome callers.

For other unknown calls, you can allow these calls, block these calls, or forward these calls to the answering system.

With some easy configurations, you can set to only filter robocalls by asking the callers to press the pound key (#) before the calls are put through to you.

You can also set Smart call blocker to screen incoming calls by asking the callers to record their names and press the pound key (#). After your caller completes the request, your telephone rings and announces the caller's name. You can then choose to block or answer the call, or you can forward the call to the answering system. If the caller does not respond or record his/her name, the call is blocked from ringing through. When you add your welcome callers to your directory or allow list, their calls will bypass all screening and ring directly to your handsets.



NOTES:

- ▶ Smart call blocker is on, once you install your telephone. It allows all incoming calls to get through and ring by default. You can change the Smart call blocker settings to screen incoming calls. For more details, see **Set profile** (page 48).
- ▶ With call screening active, Smart call blocker screens and filters all incoming calls from numbers or names that are not yet saved in your directory, allow list, block list, or star name list. You can easily add incoming phone numbers to your allow list and block list. This allows you to build up your lists of allowed and blocked numbers, and Smart call blocker will know how to deal with these calls when they come in again.
- ▶ To turn off Smart call blocker, see **Set Smart call blocker on/off** on page 48.

* Includes licenced QalteTM technology.

QalteTM is a trademark of Truecall Group Limited.

About Smart call blocker

Call categories

Calls are classified into four categories:

Welcome calls

Welcome calls are calls with telephone numbers saved in your allow list or directory, and not in your block list. Welcome calls also include calls with caller names saved in your star name list.



NOTES: There are many organizations like schools, medical offices, and pharmacies that use robocalls to communicate important information to you. Robocall uses an autodialer to deliver pre-recorded messages. By entering the name of the organizations into the star name list, it ensures these calls will ring through when you only know the caller names but not their numbers.

Unwelcome calls

Unwelcome calls are calls with telephone numbers saved in your block list, and you want to block their calls.

Calls without numbers

Calls without numbers are calls that are “out of area” or with numbers set to “Private”.

Uncategorized calls

Uncategorized calls include calls with absent caller ID number, calls with numbers that are not in your directory, allow list, or block list, or calls with caller ID names that are not in your star name list.



NOTE: The allow list stores up to 200 entries, the block list stores up to 1,000 entries, and the star name list stores up to 10 names.

About Smart call blocker

Call handling

- ▶ Smart call blocker is set to on, and to allow all incoming calls by default. When Smart call blocker is on, the first ring of all incoming calls will be muted.
- ▶ If your directory, allow list, star name list and block list are empty when Smart call blocker is on, and you have set to screen calls, the telephone will screen all incoming calls and asks callers to announce their names or press the pound key (#).
- ▶ If Smart call blocker is off, all incoming calls rings, including numbers saved in the block list.
- ▶ If QUIET mode is on, and Smart call blocker is on and in screening mode, all screened calls will be sent to the answering system after screening.

Smart call blocker handles calls in the following ways:

Call category		Call handling / Set profile options
Welcome calls	<ul style="list-style-type: none"> ▶ Numbers saved in allow list. ▶ Numbers saved in directory. ▶ Numbers not found in block list. ▶ Caller ID names saved in star name list. 	The telephone rings when there is an incoming call with number saved in your allow list or directory, but not in your block list. Robocalls with caller names saved in your star name list will also ring.
Unwelcome calls	<ul style="list-style-type: none"> ▶ Numbers saved in block list. 	The telephone does not ring when there is an incoming call with number saved in your block list, and the call will be rejected.

About Smart call blocker

Call category		Call handling / Set profile options
Unknown calls	<ul style="list-style-type: none"> ▸ Calls without numbers <ul style="list-style-type: none"> - Numbers that are “out of area” or set to “Private”. 	<p>You can select one of the following five profile options for handling all unknown calls.</p> <p>Screen unknown The telephone plays the screening announcement, and then ask the caller to say his/her name before the call rings on your telephone. You can then answer the call, and hear the caller’s name announced. You can decide whether to accept or reject the call, or to forward the call to the answering system.</p> <p>Screen robot The telephone plays the screening announcement, and then ask the caller to press the pound key (#) before the call rings on your telephone. You can then answer the call.</p> <p>Allow unknown (default settings) The telephone allows these calls to get through and ring. The caller’s number, even if it is available, will not be saved to the allow list.</p> <p>Unknown to answering system The telephone forwards these calls to the answering system without ringing.</p> <p>Block unknown The telephone rejects these calls with block announcement without ringing. The caller’s number, even if it’s available, will not be saved to the block list.</p>
	<ul style="list-style-type: none"> ▸ Uncategorized calls <ul style="list-style-type: none"> - With absent caller ID number. - Numbers not found in directory. - Numbers not found in allow list. - Numbers not found in block list. - With caller ID names not found in star name list 	



NOTE: You can set to screen, allow, or block all unknown calls without numbers, or unknown calls with numbers not saved in your Directory, Allow list or Star name list. You can also send these calls to the answering system. **Allow unknown** is the default profile setting. To change the setting, see **Set profile** on page 48.

Call block settings

Set Smart call blocker on/off

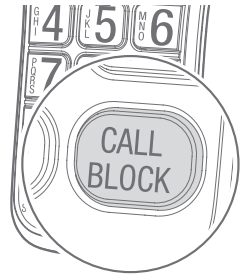
The Smart call blocker feature is set to on by default.

1. Press **CALL BLOCK** on the handset when it is not in use, and then press **MENU/SELECT** to select **SCB On/Off**.

-OR-

Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT** twice.

2. Press **▼CID** or **▲DIR** to highlight **On** or **Off**, then press **MENU/SELECT** to save the setting. You hear a confirmation tone.



NOTE: If you set **SCB On/Off** to **Off**, all settings under **Set profile** (see below) will be invalid.

Set profile

There are five profile setting options, which allows you to quickly set up Smart call blocker.

1. Press **CALL BLOCK** on the handset when it is not in use.

-OR-

Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.

2. Press **▼CID** or **▲DIR** to scroll to **Set profile**, then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to select one of the following options, then press **MENU/SELECT**.
 - **Screen unknown** - screen any calls without numbers or with numbers not saved in the Directory, Allow list, or Star name list.
 - This profile setting sets the telephone to screen all unknown calls and asks the callers to say their names before putting the calls through to you. See **Screen unknown calls** on page 68.
 - **Screen robot** - screen robocalls.
 - This profile setting sets the telephone to screen all unknown calls and asks the callers to press the pound key (#) before putting the calls through to you. See **Screen robocalls** on page 70.
 - **Allow unknown** (default setting) - allow all unknown calls to ring, except calls with numbers saved in the block list.
 - This profile setting sets the telephone to allow all unknown calls to get through and ring. Calls with numbers saved in the block list will be rejected.

Call block settings

- ▶ **UnknownToAns.S** - forward all unknown calls to the answering system.
 - This profile setting sets the telephone to forward all unknown calls to the answering system.
- ▶ **Block unknown** - block all unknown calls.
 - This profile setting sets the telephone to block all unknown calls.



NOTES:

- ▶ If you set **SCB On/Off** to **Off**, selected setting under **Set profile** will be invalid, and all incoming calls will ring, including calls with numbers in your block list.
- ▶ There may be robocalls that you do not want to miss. For example, robocalls with announcements or notices from schools or pharmacies. You can set up your star name list with these caller names to allow their calls to get through to you. See **Star name list** on page 60.

Call block settings

Block list

Add numbers that you want to prevent their calls from ringing through. The block list stores up to 1,000 entries.

Add a block entry:

1. Press **CALL BLOCK** on the handset when it is not in use.

-OR-

Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.

2. Press **▼CID** or **▲DIR** to scroll to **Block list**, and then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Add new entry**, then press **MENU/SELECT**.
4. When the screen displays **Enter number**, use the dialing keys to enter a number (up to 30 digits).
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **MUTE/DELETE** to erase a digit.
 - Press and hold **MUTE/DELETE** to erase all digits.
 - Press and hold **REDIAL/PAUSE** to enter a three-second dialing pause (a **P** appears).

-OR-

Copy a number from the redial list by pressing **REDIAL/PAUSE**. Then, press **▼CID**, **▲DIR** or **REDIAL/PAUSE** repeatedly to find the desired number. Press **MENU/SELECT** to copy the number.

5. Press **MENU/SELECT** to move on to the name.
 - The screen shows **Number repeated** if the number is already in the block list. You cannot save the same number twice.
6. When the screen displays **Enter name**, use the dialing keys to enter a name (up to 15 characters). Press a key repeatedly until the desired character appears. The first character of every word is capitalized.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **0** to add a space.
 - Press **MUTE/DELETE** to erase a character.
 - Press and hold **MUTE/DELETE** to erase all characters.
 - Press **TONEX** to change the next letter to upper or lower case.
7. Press **MENU/SELECT** to store your block entry.



NOTES:

- Numbers saved in your directory can also be saved to the block list.
- If you save a block entry that has already been saved to the allow list, the entry in the allow list will be removed.

Call block settings

Review block list:

1. Press **CALL BLOCK** on the handset when it is not in use.

-OR-

Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.

2. Press **▼CID** or **▲DIR** to scroll to **Block list**, and then press **MENU/SELECT**.
3. Press **MENU/SELECT** to choose **Review**.
4. Press **▼CID** or **▲DIR** to browse through the block entries.



NOTE: List empty appears if there are no block entries.

Call block settings

Save a caller ID log entry to block list:

1. Search for the desired caller ID log entry (see **Review the caller ID log** on page 38).
2. When the desired entry displays, press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **To Block list**, then press **MENU/SELECT**.
4. The handset displays **Enter number**. Use the dialing keys to edit the number, when necessary.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **MUTE/DELETE** on the handset to backspace and erase a digit.
 - Press and hold **MUTE/DELETE** to erase the entire entry.
 - Press and hold **REDIAL/PAUSE** to insert a three-second dialing pause (a **P** appears).
5. Press **MENU/SELECT** to move to the name. The screen displays **Enter name**.
6. Use the dialing keys to add or edit the name.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **0** to add a space.
 - Press **MUTE/DELETE** to erase a character.
 - Press and hold **MUTE/DELETE** to erase all characters.
 - Press **TONE*** to change the next letter to upper or lower case.
7. Press **MENU/SELECT** when done and the screen shows **Saved**.

Call block settings

Edit a block entry:

1. Search for the desired entry in the block list (see **Review block list** on page 51).
2. When the desired entry displays, press **MENU/SELECT**. The screen displays **Enter number** along with the phone number to be edited. If you only want to edit the name, skip to Step 4.
3. To edit the number:
 - Use the dialing keys to enter digits.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **MUTE/DELETE** on the handset to erase a digit.
 - Press and hold **MUTE/DELETE** to erase all digits.
 - Press and hold **REDIAL/PAUSE** to enter a three-second dialing pause (a **P** appears).
4. Press **MENU/SELECT** to move on to the name. The screen displays **Enter name** along with the name to be edited.
5. To edit the name:
 - Use the dialing keys to enter characters.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **0** to add a space.
 - Press **MUTE/DELETE** to erase a character.
 - Press and hold **MUTE/DELETE** to erase all characters.
 - Press **TONEX** to change the next letter to upper or lower case.
6. Press **MENU/SELECT** to save the entry. The screen displays **Saved**.

Call block settings

Delete a block entry:

1. Search for the desired entry in the block list (see **Review block list** on page 51).
2. When the desired entry displays, press **MUTE/DELETE** on the handset. The screen shows **Delete entry?**.
3. Press **MENU/SELECT** to confirm. The screen show **Deleting...**, and the next entry displays. You cannot retrieve a deleted entry.

Delete all block entries:

1. Press **CALL BLOCK** on the handset when it is not in use.
-OR-
Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Block list**, and then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to highlight **Delete all**, then press **MENU/SELECT**. The screen shows **Delete all?**.
4. Press **MENU/SELECT** again to confirm. The screen displays **Deleting**. There is a confirmation tone.

Call block settings

Allow list

Add numbers that you want to allow their calls to get through to you. The allow list stores up to 200 entries.

Add an allow entry:

1. Press **CALL BLOCK** on the handset when it is not in use.
-OR-
Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Allow list**, and then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Add new entry**, then press **MENU/SELECT**.
4. When the screen displays **Enter number**, use the dialing keys to enter a number (up to 30 digits).
 - ▶ Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - ▶ Press **MUTE/DELETE** to erase a digit.
 - ▶ Press and hold **MUTE/DELETE** to erase all digits.
 - ▶ Press and hold **REDIAL/PAUSE** to enter a three-second dialing pause (a **P** appears).**-OR-**
Copy a number from the redial list by pressing **REDIAL/PAUSE**. Then, press **▼CID**, **▲DIR** or **REDIAL/PAUSE** repeatedly to find the desired number. Press **MENU/SELECT** to copy the number.
5. Press **MENU/SELECT** to move on to the name.
 - ▶ The display shows **Number repeated** if the number is already in the allow list. You cannot save the same number twice.
6. When the screen displays **Enter name**, use the dialing keys to enter a name (up to 15 characters). Press a key repeatedly until the desired character appears. The first character of every word is capitalized.
 - ▶ Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - ▶ Press **0** to add a space.
 - ▶ Press **MUTE/DELETE** to erase a character.
 - ▶ Press and hold **MUTE/DELETE** to erase all characters.
 - ▶ Press **TONE~~X~~** to change the next letter to upper or lower case.
7. Press **MENU/SELECT** to store your allow entry.



NOTES:

- ▶ Numbers saved in your directory can also be saved to the allow list.
- ▶ If you save an allow entry that has already been saved to the block list, the entry in the block list will be removed.

Call block settings

Review allow list:

1. Press **CALL BLOCK** on the handset when it is not in use.
-OR-
Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Allow list**, and then press **MENU/SELECT**.
3. Press **MENU/SELECT** to choose **Review**.
4. Press **▼CID** or **▲DIR** to browse through the allow entries.



NOTE: **List empty** appears if there are no allow entries.

Call block settings

Save a caller ID log entry to allow list:

1. Search for the desired caller ID log entry (see **Review the caller ID log** on page 38).
2. When the desired entry displays, press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **To Allow list**, then press **MENU/SELECT**.
4. The handset displays **Enter number**. Use the dialing keys to edit the number, when necessary.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **MUTE/DELETE** on the handset to backspace and erase a digit.
 - Press and hold **MUTE/DELETE** to erase the entire entry.
 - Press and hold **REDIAL/PAUSE** to insert a three-second dialing pause (a **P** appears).
5. Press **MENU/SELECT** to move to the name. The screen displays **Enter name**.
6. Use the dialing keys to add or edit the name.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **0** to add a space.
 - Press **MUTE/DELETE** to erase a character.
 - Press and hold **MUTE/DELETE** to erase all characters.
 - Press **TONEX** to change the next letter to upper or lower case.
7. Press **MENU/SELECT** when done and the screen shows **Saved**.

Call block settings

Edit an allow entry:

1. Search for the desired entry in the allow list (see **Review allow list** on page 56).
2. When the desired entry displays, press **MENU/SELECT**. The screen displays **Enter number** along with the phone number to be edited. If you only want to edit the name, skip to Step 4.
3. To edit the number:
 - Use the dialing keys to enter digits.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **MUTE/DELETE** on the handset to erase a digit.
 - Press and hold **MUTE/DELETE** to erase all digits.
 - Press and hold **REDIAL/PAUSE** to enter a three-second dialing pause (a **P** appears).
4. Press **MENU/SELECT** to move on to the name. The screen displays **Enter name** along with the name to be edited.
5. To edit the name:
 - Use the dialing keys to enter characters.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **0** to add a space.
 - Press **MUTE/DELETE** to erase a character.
 - Press and hold **MUTE/DELETE** to erase all characters.
 - Press **TONEX** to change the next letter to upper or lower case.
6. Press **MENU/SELECT** to save the entry. The screen displays **Saved**.

Call block settings

Delete an allow entry:

1. Search for the desired entry in the allow list (see **Review allow list** on page 56).
2. When the desired entry displays, press **MUTE/DELETE** on the handset. The screen shows **Delete entry?**.
3. Press **MENU/SELECT** to confirm. The screen show **Deleting...**, and the next entry displays. You cannot retrieve a deleted entry.

Delete all allow entries:

1. Press **CALL BLOCK** on the handset when it is not in use.
-OR-
Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Allow list**, and then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to highlight **Delete all**, then press **MENU/SELECT**. The screen shows **Delete all?**.
4. Press **MENU/SELECT** again to confirm. The screen displays **Deleting...**
There is a confirmation tone.

Call block settings

Star name list

There are many organizations like schools, medical offices, and pharmacies that use robocalls to communicate important information to you. Robocall uses an autodialer to deliver pre-recorded messages. By entering the name of the organizations into the star name list, it ensures these calls will ring through when you only know the caller names but not their numbers.

If the first 15 characters of the incoming caller ID's name match a name saved in your star name list, the call will get through and ring. The star name list stores up to 10 names.

Add a star name entry:

1. Press **CALL BLOCK** on the handset when it is not in use.
-OR-
Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Star name list**, and then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Add new entry**, then press **MENU/SELECT**.
4. When the screen displays **Enter name**, use the dialing keys to enter a name (up to 15 characters). Press a key repeatedly until the desired character appears. The first character of every word is capitalized.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **0** to add a space.
 - Press **MUTE/DELETE** to erase a character.
 - Press and hold **MUTE/DELETE** to erase all characters.
 - Press **TONE*** to change the next letter to upper or lower case.
5. Press **MENU/SELECT** to store your star name entry. The display shows **Name repeated** if the name is already in the star name list. You cannot save the same name twice.

Call block settings

Review star name list:

1. Press **CALL BLOCK** on the handset when it is not in use.
-OR-
Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Star name list**, and then press **MENU/SELECT**.
3. Press **MENU/SELECT** to choose **Review**.
4. Press **▼CID** or **▲DIR** to browse through the star name entries.



NOTE: **List empty** appears if there are no star name entries.

Save a caller ID log entry to star name list:

1. Search for the desired caller ID log entry (see **Review the caller ID log** on page 38).
2. When the desired entry displays, press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **To Star name**, then press **MENU/SELECT**.
4. The handset displays **Star this name?**, and the caller ID name of the caller.
5. Press **MENU/SELECT**, and the screen shows **Saved**.

Edit a star name entry:

1. Search for the desired entry in the star name list (see **Review star name list** above).
2. When the desired entry displays, press **MENU/SELECT**. The screen displays **Enter name** along with the name to be edited.
3. To edit the name:
 - Use the dialing keys to enter characters.
 - Press **▼CID** or **▲DIR** to move the cursor to the left or right.
 - Press **0** to add a space.
 - Press **MUTE/DELETE** to erase a character.
 - Press and hold **MUTE/DELETE** to erase all characters.
 - Press **-toneX** to change the next letter to upper or lower case.
4. Press **MENU/SELECT** to save the entry. The screen displays **Saved**.

Call block settings

Delete a star name entry:

1. Search for the desired entry in the star name list (see **Review star name list** on page 61).
2. When the desired entry displays, press **MUTE/DELETE** on the handset. The screen shows **Delete entry?**.
3. Press **MENU/SELECT** to confirm. The screen show **Deleting...**, and the next entry displays. You cannot retrieve a deleted entry.

Delete all star name entries:

1. Press **CALL BLOCK** on the handset when it is not in use.
-OR-
Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Star name list**, and then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to highlight **Delete all**, then press **MENU/SELECT**. The screen shows **Delete all?**.
4. Press **MENU/SELECT** again to confirm. The screen displays **Deleting...**. There is a confirmation tone.

Screening announcement

If you have set profile to screen all unknown calls (**Screen unknown**) or screen robocalls (**Screen robot**), the callers of the following incoming call categories will hear a screening announcement.

- ▶ Calls that are “out of area” or with numbers set to “Private”.
- ▶ Calls with numbers that are not on your directory, allow list, or block list, or with absent caller ID number.
- ▶ Calls with caller ID names that are not on your star name list.

There are two default screening announcements for screening unknown calls and screening robocalls.

Screening with caller name - *“Hello. Calls to this number are being screened by Smart call blocker. Please say your name after the tone, then press pound.”*

- This default announcement is played if you have set profile to screen all unknown calls.

-OR-

Screening without caller name - *“Hello. Calls to this number are being screened by Smart call blocker. If you’re a family member, friend or invited caller, please press pound to be connected. If you’re a solicitor, please hang up now.”*

- This default announcement is played if you have set profile to screen robocalls.

You can use these announcements, or record your own name to replace “*this number*” in the announcements. Please refer to **Record your name for all screening announcements** on page 64.



NOTE: For details of Smart call blocker’s profile setting, see **Set profile** on page 48.

Call block settings

Play your current announcement of screening with caller name:

1. Press **CALL BLOCK** on the handset when it is not in use.
-OR-
Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Screening annnc**, then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Play annnc**, then press **MENU/SELECT**.
4. Press **MENU/SELECT** again to select **w/ Caller name**.

Play your current announcement of screening without caller name:

1. Press **CALL BLOCK** on the handset when it is not in use.
-OR-
Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Screening annnc**, then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Play annnc**, then press **MENU/SELECT**.
4. Press **▼CID** or **▲DIR** to scroll to **w/o Caller name**, then press **MENU/SELECT**.

Record your name for all screening announcements:

1. Press **CALL BLOCK** on the handset when it is not in use.
-OR-
Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.
2. Press **▼CID** or **▲DIR** to scroll to **Screening annnc**, then press **MENU/SELECT**.
3. Press **MENU/SELECT** to select **Rec your name**. The system announces, *"Record after the tone. Press 5 when you are done."*
4. Speak towards the handset to record your name. Press 5 to end recording. To listen to the announcement with your recorded name again, scroll to **Play annnc** and press **MENU/SELECT**.

Call block settings

Reset all your screening announcements:

1. Press **CALL BLOCK** on the handset when it is not in use.

-OR-

Press **MENU/SELECT** to enter the main menu when the handset is not in use. Press **▼CID** or **▲DIR** to scroll to **Smart call blk**, then press **MENU/SELECT**.

2. Press **▼CID** or **▲DIR** to scroll to **Screening annc**, then press **MENU/SELECT**.

3. Press **▼CID** or **▲DIR** to scroll to **Reset annc**, then press **MENU/SELECT**. The screen shows **Reset annc?**. Press **MENU/SELECT** again to confirm. The screen shows **Annc reset.** before returning to the previous menu.

Your name will be deleted from all the screening announcements, and the telephone will use the default screening announcements described on page 63.

Allowed calls

If Smart call blocker is on, the following types of incoming calls can get through to you and ring on your telephone system:

- ▶ Calls with numbers saved in your allow list.
- ▶ Calls with numbers saved in your directory, but not on your block list.
- ▶ Calls with caller ID names saved in your star name list.



NOTES:

- ▶ When Smart call blocker is off, all incoming calls will ring on your telephone system, including calls with numbers saved in the block list.
- ▶ **Allow unknown** is the default profile setting. If you have not selected another profile, all unknown calls will ring. However, the caller's numbers, if available, will not be saved to the allow list. If you want to save the caller's number to your allow list or block list, you can retrieve the number from caller ID log and save it to the allow list or block list. See **Save a caller ID log entry to the block list** on page 52 and **Save a caller ID log entry to the allow list** on page 57. If you want to retrieve the name from caller ID log and save it to the star name list. See **Save a caller ID log entry to the star name list** on page 61.

Blocked calls

If Smart call blocker is on, incoming calls with numbers saved in your block list will not ring. The telephone plays the block announcement *“Calls to this number are being screened by Smart call blocker. The number you are calling is not accepting your call. Please hang up.”* to the caller, and the call will be terminated.



NOTES:

- ▶ When Smart call blocker is off, all incoming calls will ring on your telephone system, including calls with numbers saved in the block list.
- ▶ If you have set profile to **Block unknown**, all unknown calls will be rejected. However, the caller's numbers, if available, will not be saved to the block list. If you want to save the caller's number to the block list, you can retrieve the number from caller ID log and save it to the block list. See **Save a caller ID log entry to the block list** on page 52. You can also retrieve the number and save it to your allow list. See **Save a caller ID log entry to the allow list** on page 57. If you want to retrieve the name from caller ID log and save it to the star name list. See **Save a caller ID log entry to the star name list** on page 61.
- ▶ The telephone can respond to remote access code while it is playing the block announcement. This allows you to access your answering system from an unknown number remotely. See **Remote access** on page 84.

Screen unknown calls

If Smart call blocker is on, and you have set profile to screen unknown calls, the telephone plays a screening announcement to the caller when receiving the following incoming calls. It asks the caller to respond before putting the call through to you.

- ▶ Incoming calls with numbers that are “out of area“ or with numbers set to “Private“;
- ▶ Incoming calls with absent caller ID numbers;
- ▶ Incoming calls with numbers that are not in your directory, allow list, nor block list; or
- ▶ Incoming calls with names that are not in your star name list.

Screen calls and ask for caller names

When screening a call, the telephone announces to the caller, “*Hello. Calls to this number are being screened by Smart call blocker. Please say your name after the tone, then press pound.*” After the caller completes the request, the telephone announces to the caller “*Please wait a moment while your call is connected.*” The telephone starts ringing and announces the caller’s name. The telephone screen displays **Screened call** and you can pick up the call. The telephone will then ask whether you want to answer or reject the call, or to forward the call to the answering system.





NOTES:

- ▶ You can set Smart call blocker to screen and filter all unknown calls. You can easily add incoming phone numbers to your allow list and block list. This allows you to build up your lists of allowed and blocked numbers, and Smart call blocker will know how to deal with these calls when they come in again.
- ▶ The telephone announces to the caller with “*Hello. Calls to this number are being screened by Smart call blocker...*” If you have recorded your name in the screening announcements, your recorded name will replace “*this number*” in the announcements. See **Screening announcement** on page 63.
- ▶ If the caller hangs up before the call is screened, or without leaving his/her name while the call is being screened, the call will be logged as missed call in the caller ID log.
- ▶ While a call is being screened, you can press **PHONE/FLASH** or **SPEAKER** to stop screening and answer the call.
- ▶ After the telephone screened a call, and is ringing and announcing the caller’s name, you can press **OFF/CANCEL** to mute the ringer, or press **CALL BLOCK** to reject the call directly.
- ▶ After you picked up a screened call and the telephone is announcing the screening options, you can press **OFF/CANCEL** to hang up the call.
- ▶ If Smart call blocker is on and you receive a call waiting call:
 - Smart call blocker will not screen a call waiting call without number while on a call. You can press **PHONE/FLASH** or **SPEAKER** to take the new call.
 - After you have picked up a screened call, the telephone checks whether the call waiting number is in the directory, block list or allow list. It also checks whether the caller name is in the star name list. After that, The telephone then displays the caller ID information or “Blocked call” accordingly. You can press **PHONE/FLASH** or **SPEAKER** to take the new call, or press **CALL BLOCK** on the handset to block it.
 - While the telephone is screening a call, the new call will be ignored and logged as missed call in the caller ID log.
- ▶ Robocalls are unable to respond to the screening announcement, and therefore, will not get through and ring. If you want to allow some robocalls to get through, save their names in the star name list. See page 60.
- ▶ The telephone can respond to remote access code while it is playing the screening announcement. This allows you to access your answering system from an unknown number remotely. See **Remote access** on page 84.

Screen unknown calls

Screened call options

After the telephone screen a call and starts ringing, the screen displays **Screened call**. Press  **PHONE/FLASH** or  **SPEAKER** to pick up the call. If you have turned on the caller ID announce feature, the telephone announces “Call from...” and the caller’s name. After you picked up the call, the telephone announces “To answer the call, press 1. To answer and always allow this number, press 2. To block this number, press 3. To send this call to the answering system, press 4. To repeat these options, press *”.

Allow this call once:

- ▶ Press **1** to answer the call. The telephone number will not be added to your allow list.

Always allow this call:

- ▶ Press **2** to answer the call. The telephone number will be added to your allow list.

Block this call:

- ▶ Press **3** or **CALL BLOCK** to block the call. The telephone plays the block announcement “The number you are calling is not accepting your call. Please hang up.” to the caller. The telephone number will be added to your block list.

Send this call to the answering system:

- ▶ Press **4** to forward the call to the answering system.

End this call:

- ▶ If you do not want to take the call, press  **OFF/CANCEL** to end the call.



NOTES:

- ▶ For calls that are “out of area”, “Private”, or without caller ID, only options **1** and **4** will be available. The telephone announces “To answer the call, press 1. To send this call to the answering system, press 4. To repeat these options, press *”.
- ▶ If you select option **4** to send the call to the answering system, the caller can leave a message even if the answering system is off.

Screen robocalls

If Smart call blocker is on, and you have set profile to screen robocalls, the telephone plays a screening announcement to the caller when receiving the following incoming calls. It asks the caller to press the pound key (#) before putting the call through to you.

- ▶ Incoming calls with numbers that are “out of area“ or with numbers set to “Private“;
- ▶ Incoming calls with absent caller ID numbers;
- ▶ Incoming calls with numbers that are not in your directory, allow list, nor block list; or
- ▶ Incoming calls with names that are not in your star name list.

Screen calls without asking for caller names

When screening a call, the telephone announces to the caller, *“Hello. Calls to this number are being screened by Smart call blocker. If you’re a family member, friend or invited caller, please press pound to be connected. If you’re a solicitor, please hang up now.”* After the caller presses the pound key (#), the telephone announces to the caller *“Please wait a moment while your call is connected.”* The telephone starts ringing, and you can answer the call.

This option is suitable for you to filter calls that uses autodialers to deliver pre-recorded messages, for example, robocalls and telemarketing calls.



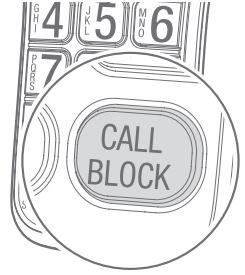
NOTES:

- ▶ The telephone announces to the caller with *“Hello. Calls to this number are being screened by Smart call blocker..”* If you have recorded your name in the screening announcements, your recorded name will replace *“this number”* in the announcements. See **Screening announcement** on page 63.
- ▶ If the caller hangs up before the call is screened, or without leaving his/her name while the call is being screened, the call will be logged as missed call in the caller ID log.
- ▶ While a call is being screened, you can press **PHONE/FLASH** or **SPEAKER** to stop screening and answer the call.
- ▶ If Smart call blocker is on and you receive a call waiting call:
 - Smart call blocker will not screen a call waiting call without number while on a call. You can press **PHONE/FLASH** or **SPEAKER** to take the new call.
 - After you have picked up a screened call, the telephone checks whether the call waiting number is in the directory, block list or allow list. It also checks whether the caller name is in the star name list. After that, The telephone then displays the caller ID information or “Blocked call” accordingly. You can press **PHONE/FLASH** or **SPEAKER** to take the new call, or press **CALL BLOCK** on the handset to block it.
 - While the telephone is screening a call, the new call will be ignored and logged as missed call in the caller ID log.
- ▶ Robocalls are unable to respond to the screening announcement, and therefore, will not get through and ring. If you want to allow some robocalls to get through, save their names in the star name list. See page 60.
- ▶ The telephone can respond to remote access code while it is playing the screening announcement. This allows you to access your answering system from an unknown number remotely. See **Remote access** on page 84.

Option while on a call

When you are on a call and speaking to the caller, and you do not want to continue the call, you can press the **CALL BLOCK** button on the handset to end the call. The telephone plays the block announcement “*The number you are calling is not accepting your call. Please hang up.*” to the caller, and the call will be terminated. The caller’s number will be added to your block list.

- ▶ Press **CALL BLOCK** on the handset. The screen displays **Block and end?** and the caller’s number, if available. Press **MENU/SELECT** to end the call.



NOTES:

- ▶ The caller’s number, if available, will be saved to the block list. The screen displays **Added to block list** after pressing **CALL BLOCK** on the handset. If caller’s number is not available, the screen displays **No number to block.**
- ▶ You can press **CALL BLOCK** on the handset to end the call even if Smart call blocker is turned off.

Answering system settings

Use the answering system menu of a system handset to set up the announcement message, turn on or off the answering system or message alert tone, activate call screening, or change the number of rings, or remote access code. If you turn off the answering system and you change any setting in the answering system setup menu, the answering system automatically turns on again.



1. When the handset is in idle mode, press **MENU/SELECT** to enter the main menu.
2. Press **▼CID** or **▲DIR** to scroll to **Answering sys**, then press **MENU/SELECT**.

Announcement

Your outgoing announcement plays when calls are answered by the answering system.

The telephone has a default outgoing announcement, *"Hello. Please leave a message after the tone."* You can use this announcement, or record your own.

You can record an announcement up to 90 seconds. The system does not record any announcement shorter than two seconds.

To record a new outgoing announcement:

1. When the handset is in idle mode, press **MENU/SELECT** to enter the main menu.
2. Press **▼CID** or **▲DIR** to scroll to **Answering sys**, then press **MENU/SELECT**.
3. Press **MENU/SELECT** again to select **Announcement**.
4. The handset displays **Play [2] Del [3] Rec [7]** and it announces, *"To play, press 2. To record, press 7."* Press **7** to record. The handset announces, *"Record after the tone. Press 5 when you are done."*
5. After the tone, speak towards the handset or telephone base microphone. Press **5** to end recording. The newly recorded announcement automatically plays.



To listen to the recorded announcement again on the handset, wait after playback has completed, then press **2**.

To reset your outgoing announcement:

1. When the handset is in idle mode, press **MENU/SELECT** to enter the main menu.
2. Press **▼CID** or **▲DIR** to scroll to **Answering sys**, then press **MENU/SELECT**.
3. Press **MENU/SELECT** again to select **Announcement**.

Answering system settings

- The screen displays **Play [2] Del [3] Rec [7]** and it announces, *“To play, press 2. To record, press 7.”* Press **3** to delete your recorded announcement. The handset displays **Annc deleted** and announces, *“Announcement deleted.”*

When your announcement is reset, the system answers calls with the default announcement, as described above. You cannot delete the default announcement.

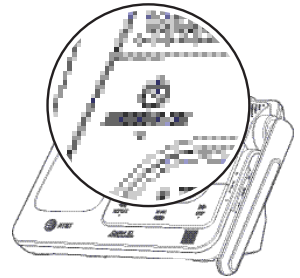
Answer on/off

Unless you change it, the answering system is on and ready to record messages. You can turn the answering system off, but if you do so, the answering system does not answer calls and record incoming messages.

To turn the answering system on or off:


Using the telephone base:

- Press **ANSWER ON** to turn the answering system on or off. If the answering system is turned on, it announces, *“Calls will be answered.”* If the answering system is turned off, it announces, *“Calls will not be answered.”*

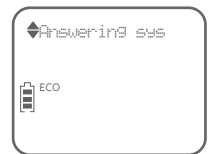


Using a handset:

- When the handset is in idle mode, press **MENU/SELECT** to enter the main menu.
- Press **▼CID** or **▲DIR** to scroll to **Answering sys**, then press **MENU/SELECT**.
- Press **▼CID** or **▲DIR** to scroll to **Answer on/off**, then press **MENU/SELECT**.
- Press **▼CID** or **▲DIR** to choose **On** or **Off**, then press **MENU/SELECT** to save the setting. You hear a confirmation tone.

 When the answering system is on, the handset shows **ANS ON**.

NOTE: If the answering system is off and there is an incoming call, the system answers after 10 rings and announces, *“Please enter your remote access code.”* For more information about remote access codes, see page 75.



Answering system settings

Call screening

Use this feature to choose whether incoming messages can be heard over the telephone base speaker when they are being recorded. If you turn call screening on, you hear the incoming message. While monitoring an incoming message, you can answer the call by pressing **PHONE/FLASH** or **SPEAKER** on the handset.

To change the setting:

1. When the handset is in idle mode, press **MENU/SELECT** to enter the main menu.
2. Press **▼CID** or **▲DIR** to scroll to **Answering sys**, then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Ans sys setup**, then press **MENU/SELECT**.
4. Press **MENU/SELECT** to select **Call screening**.
5. Press **▼CID** or **▲DIR** to choose **On** or **Off**.
6. Press **MENU/SELECT** to save the setting.



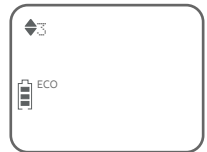
NOTE: For more information on call screening, see pages 78-79.

Number of rings

You can set the answering system to answer an incoming call after 2, 3, 4, 5, or 6 rings. You can also select toll saver, which is explained, as below. Unless you change it, the answering system answers an incoming call after three rings.

To set the number of rings:

1. When the handset is in idle mode, press **MENU/SELECT** to enter the main menu.
2. Press **▼CID** or **▲DIR** to scroll to **Answering sys**, then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Ans sys setup**, then press **MENU/SELECT**.
4. Press **▼CID** or **▲DIR** to scroll to **# of rings**, then press **MENU/SELECT**.



Answering system settings

- Press **▼CID** or **▲DIR** to scroll and choose among **2, 3, 4, 5, 6** or **Toll saver**.
 - Toll saver - the answering system answers a call after two rings when you have new messages, and after four rings when there are no new messages. This feature allows you to check for new messages and avoid paying long distance charges when calling from out of your local area.
- Press **MENU/SELECT** to save the setting. You hear a confirmation tone. Press **OFF/CANCEL** to cancel.



NOTES:

- If you subscribe to voicemail service through your telephone service provider, see **Answering system and voicemail indicators** on page 77.
- If you set the number of rings for the answering system as two or three rings, the caller ID announce feature may not have enough time to announce the caller's full information.

Remote access code

To access your answering system remotely from any touch-tone phone, you need to enter a two-digit number (00-99). By default, the remote access code is **19**.

To change the remote access code:

- When the handset is in idle mode, press **MENU/SELECT** to enter the main menu.
- Press **▼CID** or **▲DIR** to scroll to **Answering sys**, then press **MENU/SELECT**.
- Press **▼CID** or **▲DIR** to scroll to **Ans sys setup**, then press **MENU/SELECT**.
- Press **▼CID** or **▲DIR** to scroll to **Remote code**, then press **MENU/SELECT**.
- Use the dialing keys to enter a two-digit number. Press **MUTE/DELETE** to backspace and delete a digit.
- Press **MENU/SELECT** to save the setting.



Answering system settings

Message alert tone

When the message alert tone is set to **On**, and there is at least one new message, the telephone base beeps every 10 seconds. Unless you change it, the message alert tone is set to off.

There is no audible alert at the handset.

To change the setting:

1. When the handset is in idle mode, press **MENU/SELECT** to enter the main menu.
2. Press **▼CID** or **▲DIR** to scroll to **Answering sys**, then press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Ans sys setup**, then press **MENU/SELECT**.
4. Press **▼CID** or **▲DIR** to scroll to **Msg alert tone**, then press **MENU/SELECT**.
5. Press **▼CID** or **▲DIR** to choose **On** or **Off**.
6. Press **MENU/SELECT** to save the setting.



NOTES:

- ▶ The message alert tone beeps only if all the following conditions are met:
 - Answering system is on.
 - Message alert tone setting is on.
 - There are new messages.
- ▶ To temporarily turn off the message alert tone, see page 79.

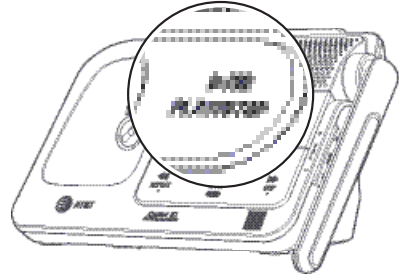
About the answering system


Answering system and voicemail indicators

Your telephone has separate indicators for two different types of voice messages: those left on its built-in digital answering system and those left at your telephone service provider's voicemail (fees may apply). Your telephone's built-in digital answering system messages and voicemail messages are separate. Each alerts you to new messages differently.



- ▶ If **XX New messages** shows on the handset and the message window on the telephone base flashes, there are new messages in the built-in answering system. To listen to messages recorded on your digital answering system, press **▶/■/PLAY/STOP** on the telephone base (page 80).



- ▶ If  and **New voicemail** display on the handset, your telephone service provider is indicating that it has new voicemail for you. To listen to your voicemail, dial an access number provided by your telephone service provider, followed by a security code or PIN.

Some telephone service providers bundle or combine multiple services like voicemail and call waiting, so you may not be aware that you have voicemail. To check what services you have and how to access them, contact your telephone service provider.

To use your voicemail service rather than the answering system, turn off the answering system. To use the answering system rather than your voicemail service, contact your telephone service provider to deactivate your voicemail service.



NOTE: After reviewing all new messages, the number of old messages appears on the message window.

Using the answering system and voicemail together

You can also use your telephone answering system and voicemail together by setting your built-in answering system to answer before voicemail answers, as described below. To learn how to program your voicemail settings, contact your telephone service provider. Then, if you are on a call, or if the answering system is busy recording a message and you receive another call, the second caller can leave a voicemail message.

Set your answering system to answer calls at least 2 rings earlier than your voicemail is set to answer. For example, if your voicemail answers after 6 rings, set your answering system to answer after 4 rings. Some voicemail providers may program the delay before answering calls in seconds instead of rings. In this case, allow 6 seconds per ring when determining the appropriate setting.

About the answering system

Message capacity

The answering system can record up to 99 messages, depending on the length of each message. Individual messages can be up to three minutes, and the maximum recording time is approximately 22 minutes. The actual recording time depends on individual message characteristics. Messages remain available for replay until you delete them.

When there are new messages (including memos) on the answering system, the number of messages stored flashes in the message counter.

If the answering system has less than three minutes of recording time left, it announces, *“Less than three minutes to record,”* before message playback at the handset or the telephone base. **Rec mem low** displays on the handset screen in idle mode. When you turn on the answering system at the telephone base, it announces, *“Calls will be answered. Less than three minutes to record.”*

If the memory is full, the answering system announces, *“Memory is full,”* before message playback. The handset screen displays **Rec mem full** in idle mode and the number of messages and **F** flash alternately in the message counter at the telephone base. Once the memory is full, you cannot turn the answering system back on if it has been turned off, nor can you record new messages until old ones have been deleted. **Memory full** displays if you want to turn on the answering system on the handset but there is no memory.

Voice prompts

The system provides voice prompts to guide you through the setup procedures at the telephone base, message playback, remote access and recording outgoing announcements.

Call screening at the telephone base

If the answering system and call screening are on, the announcement and the incoming message broadcast at the telephone base when a call is answered by the answering system.

Options while a message is being recorded:



- Press **▲VOL** or **▼VOL** on the telephone base to adjust the call screening volume.
- Press **▶/■/PLAY/STOP** to temporarily silence the call screening.
- Press **▶/■/PLAY/STOP** to temporarily turn on the call screening if call screening is set to off.

About the answering system


Call screening at the handset

While a message is being recorded, the handset shows, **To screen call...** and **press [SELECT]**. Press **MENU/SELECT** to screen the call.

Options while a message is being recorded:

- Press **VOLUME ▼** or **VOLUME ▲** on the handset to adjust the call screening volume.
- Press  **OFF/CANCEL** to temporarily silence the call screening.
- Press **MENU/SELECT** to temporarily turn on the call screening if call screening is set to off.
- Press  **/SPEAKER** to broadcast the announcement and the incoming message through the speakerphone. Press again to turn off the speakerphone.

Call intercept


While screening a call, you can stop recording and speak to the caller by pressing  **PHONE/FLASH** on the handset.

Base ringer

Press **▼/VOL/▲** on the telephone base to adjust the ringer volume when the telephone is not in use.

You hear a sample of the ringer while adjusting the volume. The telephone base announces, *“Base ringer is off;”* when you set the volume to **0**.

Temporarily turning off the message alert tone

If the new message alert tone is turned on, the telephone base beeps every 10 seconds when there are new or missed messages. Pressing any telephone base key (except  **/HANDSET LOCATOR**) temporarily silences the message alert tone.

If you press **X/DELETE** when in idle mode to temporarily turn off the message alert tone, there is a voice prompt directing you to press **X/DELETE** again to delete all old messages. The message alert tone is temporarily off. Only press **X/DELETE** a second time if you wish to erase all old messages in your answering system.

The message alert tone resumes when you receive another message.

Message playback

You can listen to messages at the telephone base or on a cordless handset. When playback begins, the total number of messages is announced. Before each message, you hear the day and time of the recording. If the date and time are not set, you hear, *“Time and date not set,”* before playback. After the last message, you hear, *“End of messages.”* If the recording time is less than three minutes, you hear, *“Less than three minutes to record,”* (see **Message capacity** on page 78).

To listen to messages at the telephone base:

Press ►/■/PLAY/STOP on the telephone base to listen to the messages. The system announces the number of messages, then begins playback. If you have new messages, you hear only the new messages in chronological order. If there are no new messages, the system plays back all old messages (in chronological order). Press ►/■/PLAY/STOP again to end the message playback.



To listen to messages on a cordless handset:

1. When the handset is in idle mode, press **MENU/SELECT** to enter the main menu.
2. Press **MENU/SELECT** again to select **Play messages**.
 - If there are only new or only old messages, they will play automatically.



The system announces the number of messages, then begins playback. The message sequence is shown on the handset screen. If there are no recorded messages, the handset screen shows **No messages** and you hear, *“You have no message.”*

Options during playback

When a message is playing, you can adjust the playback volume, skip, repeat or delete the message.

When messages are playing on the telephone base:

- Press ▼/VOL/▲ to adjust the message playback volume.
- Press ►/SKIP to skip to the next message.
- Press ◀/REPEAT to repeat the message. Press twice to hear the previous message.
- Press X/DELETE to delete the message.
- Press ►/■/PLAY/STOP to stop the playback.

Message playback

When messages are playing on the handset:

- Press **VOLUME ▼** or **VOLUME ▲** to adjust the message playback volume.
- Press **6** to skip to the next message.
- Press **4** to repeat the message. Press twice to hear the previous message.
- Press **MUTE/DELETE** to delete the message.
- Press **5** to stop the playback.
- Press **📞/SPEAKER** to switch between speakerphone mode and handset mode.

Delete all old messages

You can only delete old (reviewed) messages. You cannot delete new messages until you review them. You cannot retrieve deleted messages.

To delete all old messages on the telephone base:

1. When the telephone is idle, press **X/DELETE**. The system announces, *“To delete all old messages, press delete again.”*
2. Press **X/DELETE** again. The system announces, *“All old messages deleted.”*

To delete all old messages on the handset:

1. Press **MENU/SELECT** when in idle mode to enter the main menu.
2. Press **▼CID** or **▲DIR** to scroll to **Answering sys**. Press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Delete all old**, then press **MENU/SELECT**.
4. Press **MENU/SELECT** to confirm. The handset displays **Deleting...**, then **No old messages** and then returns to the previous menu. You hear a confirmation tone.



Recording and playing memos

Memos are your own recorded messages used as reminders for yourself or others using the same answering system. Play and delete them in the same way as incoming messages.

Record a memo

1. When the handset is in idle mode, press **MENU/SELECT** to enter the main menu.
2. Press **▼CID** or **▲DIR** to scroll to **Answering sys.** Press **MENU/SELECT**.
3. Press **▼CID** or **▲DIR** to scroll to **Record memo**, then press **MENU/SELECT**. The system announces, *“Record after the tone. Press 5 when you are done.”* You can record a memo for up to four minutes.
4. Speak towards the handset to record a memo.
5. Press **5** to stop recording. The system announces, *“Recorded.”* The system does not save memos shorter than two seconds.



Play back a memo

Play memos the same way as messages. See **Message playback** on page 80.

Base message counter displays

The base message counter shows the total number of answering system messages. See the following table for other message counter displays.

Message counter displays

0	No messages.
0 (flashing)	You need to set the clock (page 12).
1-99	Total number of old messages and memos, or message number currently playing during old message playback.
1-99 (flashing)	Total number of messages and memos. The number flashes when there are new or missed messages. After a power failure, the number in the message counter flashes to indicate that you need to set the clock.
1-99 & F (alternating)	Memory is full. You must delete some messages before recording new messages.
....	The system is answering a call, or someone is trying to reach it remotely. The system is in program mode.
0-6	Shows for two seconds while adjusting the telephone base ringer volume.
1-8	Shows for two seconds while adjusting the telephone base speaker volume.

Remote access

You can reach your answering system remotely by dialing your home telephone number from any touch-tone telephone.

To remotely reach your answering system:

1. Dial your telephone number from any touch-tone telephone.
2. When the system answers, enter the two-digit remote access code (**19** is the default code. See page 75 to change it).
 - The system automatically announces the number of new or old messages (if any), and then begins to play them.
3. You can also enter the following remote commands:

Remote commands

1	Press to listen to all messages.
2	Press to listen to new messages only.
3	Press to delete the current message (during playback).
33	Press twice to delete all old messages.
4	Press to repeat the current message (during playback).
44	Press twice to listen to the previous message.
5	Press to stop any operation (including recording).
*5	Press to listen to a list of remote commands.
6	Press to skip to the next message (during playback).
*7	Press to record a new announcement.
8	Press to end remote access (the call will be terminated).
0	Press to turn the answering system on or off.

4. Hang up or press **8** to end the call and save all messages that have not been deleted.

Remote access

Cut out and carry the remote access wallet card at the back of this user's manual for quick reference.



NOTES:

- ▶ If you do not enter a valid remote access code, the system answers the call automatically.
- ▶ If you pause for more than four seconds during remote access, you hear a help menu listing all features and commands. If there is no command for another 20 seconds, the call ends automatically.
- ▶ If the memory is full, the answering system answers after 10 rings and announces, *"Memory is full. Enter the remote access code."* Enter your remote access code to access the messages and announcements.

Adding and registering handsets/headsets

Your telephone can support up to five DECT 6.0 cordless handsets (AT&T model **B102-0**, sold separately) or up to three cordless handsets and 2 cordless headsets (sold separately). Visit

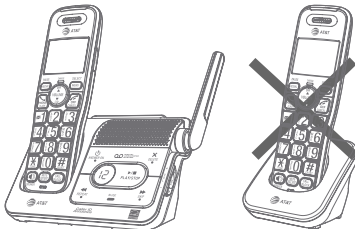
<https://telephones.att.com/headsets> for a list of compatible DECT 6.0 cordless headsets. Each new handset or headset must be registered to the telephone base before use. You must register each handset or headset separately.

To register a cordless headset to this telephone system, please refer to the user's manual of the cordless headset for more details. To register a cordless handset, see below.

The handsets provided within your product box are already registered as **HANDSET 1**, and so forth. Additional handsets are assigned numbers in the sequential order they are registered (up to **HANDSET 5**).

Register a handset to your telephone base

1. Before you begin registration, make sure the handset is out of the telephone base or charger and shows **To register HS...** and **... see manual**.
2. Put the handset you wish to register on the telephone base cradle.
3. The handset shows **Registering...** and the **IN USE** light on the telephone base turns on. If the registration is successful, the handset screen displays **Registered** and beeps. The handset is now registered with the telephone base.



For registration, put the handset on the telephone base, not the handset charger.



If registration fails, the screen shows **To register HS...** and **... see manual**. Please start again from Step 1.

Deregistering handsets

You may need to deregister your handsets if:

- You have five registered handsets and need to replace a handset.

-OR-

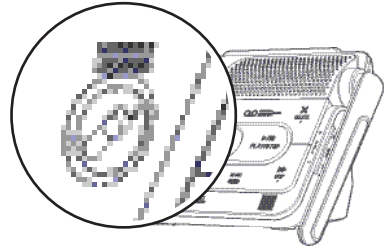
- You wish to change the designated handset number of your registered handsets.

You must first deregister ALL the handsets, and then register each handset you wish to use again, one at a time.

Please read carefully through all the instructions on this page before beginning the deregistration process.

Deregister all handsets from your telephone base

In addition to the cordless handsets, this operation will also deregister all cordless headsets registered to your telephone base.



1. Make sure that all handsets are out of the telephone base and chargers before you begin deregistration.
2. Press and hold **📞/HANDSET LOCATOR** on the telephone base for about 10 seconds (until the **IN USE** light starts to flash). Release **📞/HANDSET LOCATOR**.
3. Immediately press **📞/HANDSET LOCATOR** again while the **IN USE** light is still flashing. (If the light stops flashing, start again with Step 1.)
4. It takes up to ten seconds to complete the deregistration process. Before registering the handset again, wait for the cordless handset screen to display **To register HS...** and **... see manual**.
5. To register the handset(s) to the telephone base again, follow the registration instructions on the previous page.








NOTES:

- ▶ If the deregistration process fails, you may need to reset the system and try again. To reset, unplug the power from the telephone base and plug it back in.
- ▶ You cannot deregister the handsets if any other system handset is in use.
- ▶ Even if the battery is depleted, you can still deregister the handsets by following the steps mentioned above. After the handset is charged for at least ten minutes, the screen shows **To register HS...** and **... see manual**.

Alert tones and lights

Screen icons

	Battery status - battery is charging (animated display).
	Battery status - low battery (flashing); place handset in telephone base or charger to recharge.
	Ringer off - the handset ringer is off.
ECO	The ECO mode activates automatically to reduce power consumption when the handset is within range from the telephone base.
	New voicemail - you have new voicemail from your telephone service provider.
ANS ON	Answering system on - the answering system is turned on to answer calls.
NEW	New caller ID log or new message - new or missed calls, or new message (during message playback).
	Message counter - number of message playing/total number of messages.



Handset alert tones

1 short beep	Tone of each key press, if key tone is turned on.
1 long beep	Indication to begin recording a message, memo or announcement.
2 short beeps	You press ▼CID or ▲DIR on a cordless handset when the volume is already at its highest or lowest setting. -OR- Call waiting tone or error tone.
Confirmation tone (3 rising tones)	The system has completed the command successfully.
4 beeps	The other party has ended your intercom call. -OR- The handset has gone out of range from the base during a call.
4 short beeps	Low battery warning.

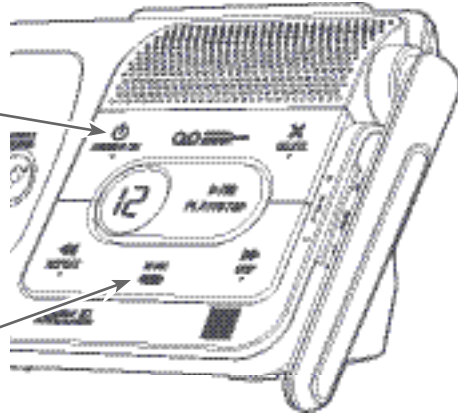
Telephone base tones

Beeps every 10 seconds	Message alert.
Fast ringer tone	You are setting the ringer volume by pressing the ▼/VOL/▲ keys on the telephone base.
Long beep	Indicates the start of message recording during call screening or the end of a message playback session.
4 short beeps	Registration failure tone.

Lights

🔌/ANSWER ON

On when the answering system is on.



IN USE

- ▶ On when the handset is in use, or when the answering system is answering an incoming call.
- ▶ On when a handset is being registered.
- ▶ Flashes when there is an incoming call or when handsets are being deregistered.
- ▶ Flashes when another telephone is in use on the same line.

CHARGE light

On when the handset is charging in the telephone base or charger.

Visual Ringing Indicator

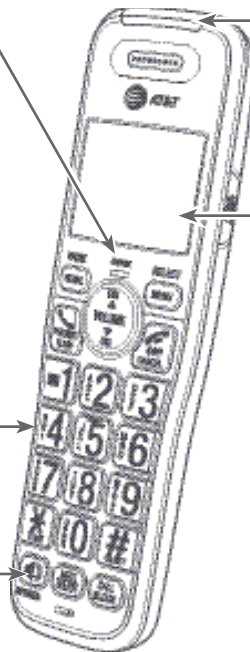
Flashes when the handset is being called or paged.

Extra large lighted display

Big button lighted key pad

🔊/SPEAKER

On when the speakerphone is on.



Handset display screen messages

Screen display messages

Blocked call	An incoming call is blocked.
Calling HS X (For models with two or more handsets only)	The handset is calling another handset (for intercom calls).
Ended	You have just ended a call.
HS X is calling (For models with two or more handsets only)	Another handset is calling.
Intercom	The handset is on an intercom call.
INT to HS X (For models with two or more devices only)	You have started the intercom process, and need to enter the number of the device you wish to call.
Line in use	An extension telephone on the same line or one of the handsets is in use.
List empty	There are no directory entries or call block list entries.
Low battery	The battery needs to be charged.
Microphone on	Mute is off so the other party can hear your voice.
Muted	The microphone is off.
New voicemail	There are new voicemail messages from your telephone service provider.
No battery	The handset in the telephone base or charger does not have a battery properly installed.
No line	There is no telephone line connected.
No message	There are no messages in the answering system.
Not available	Someone else is already using the directory, caller ID log or answering system.
Number repeated	The telephone number you have entered is already stored in the directory.
Out of range or no pwr at base	The handset has lost communication with the telephone base.
** Paging **	The telephone base is paging all handsets.

Handset display screen messages

Screen display messages

Put in charger	The battery is very low. The handset should be placed in the telephone base or charger.
Quiet mode off	The quiet mode is turned off.
Quiet mode on	The quiet mode is turned on.
Rec mem low	The answering system has less than 3 minutes to record.
Rec mem full	The answering system memory is full.
Ringer muted	The ringer is muted temporarily during an incoming call.
Screen all Robocalls	You have selected the Screen robot profile option in Smart call blocker.
Screen all Unknown calls	You have selected the Screen Unknown profile option in Smart call blocker.
Screened call	The Smart call blocker feature of the telephone has screened a call and is putting the call through to you.
Setting Ans sys	The handset is playing voice guide.
SCB screening...	The telephone is screening an incoming call.
Speaker	The handset speakerphone is in use.
Voice guide set Smart call blk?	After you install your telephone or power returns following a power outage, the handset and telephone base will prompt you to set the date and time. After the date and time setting is done or skipped, the telephone base will then prompt if you want to set up the Smart call blocker feature via voice guide.
To register HS... ...see manual	The handset is not registered to any telephone base.
To screen call press [SELECT]	The system is recording a message. Press MENU/SELECT to screen a call on a handset.
Unable to call	<ul style="list-style-type: none"> ▶ Intercom failed. ▶ You try to join a call when there are already four handsets on that call. ▶ You try to make a call when the handset is out of range.
XX missed calls	There are XX new calls in the caller ID log.
XX new messages	There are XX new messages in the answering system.

Troubleshooting

If you have difficulty with your phone, please try the following suggestions. For Customer Service, visit our website at <https://telephones.att.com> or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.

My telephone doesn't work at all.

- Make sure the power cord is securely plugged in.
- Make sure you plug the battery connector securely into the cordless handset.
- Make sure you plug the telephone line cord securely and firmly into the telephone base and the telephone wall jack.
- Charge the battery in the cordless handset for at least 10 hours. For optimum daily performance, return the cordless handset to the telephone base or charger when not in use.
- If the battery is depleted, it might take approximately 30 minutes to charge the handset before it shows Low battery. See page 6 for details.
- Reset the telephone base. Unplug the electrical power. Wait for approximately 15 seconds, then plug it back in. Allow up to one minute for the cordless handset and telephone base to reset.
- You may need to purchase a new battery. Please refer to Battery installation and charging in this user's manual on pages 9-10.

The display shows No line. I cannot get a dial tone.

- Try all the suggestions, as mentioned above.
- If the previous suggestions do not work, disconnect the telephone line cord from your telephone and connect the telephone line cord to another telephone.
 - If there is no dial tone on that other telephone either, your telephone line cord may be defective. Install a new telephone line cord.
 - If changing the telephone line cord does not help, the wall jack (or the wiring to this wall jack) may be defective. Try using a different wall jack in your home to connect your BL102/BL102-2/BL102-3/BL102-4/BL102-5 telephone, or contact your telephone service provider (charges may apply).

I cannot dial out.

- Try all the suggestions, as mentioned above.
- Make sure you have a dial tone before dialing. The cordless handset might take a second or two to find the telephone base and produce a dial tone. This is normal. Wait an extra second before dialing.

Troubleshooting

- ▶ Eliminate any background noise. Noise from a television, radio or other appliances might cause the phone to not dial out properly. If you cannot eliminate the background noise, first try muting the cordless handset before dialing, or dialing from another room with less background noise.
- ▶ If other phones in your home are having the same problem, contact your telephone service provider (charges might apply).

My cordless handset isn't performing normally.

- ▶ Make sure you plug the power cord securely into the telephone base. Plug the power adapter into a different, working electrical outlet without a wall switch.
- ▶ Move the cordless handset closer to the telephone base. You might have moved out of range.
- ▶ Reset the telephone base. Unplug the electrical power. Wait for 15 seconds, then plug it back in. Allow up to one minute for the cordless handset and telephone base to reset.
- ▶ Other electronic products such as HAM radios and other DECT phones, can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.

Out of range OR No pwr at base appears on my cordless handset.

- ▶ Ensure you plug the telephone base in properly and the power is on.
- ▶ Place the cordless handset in the telephone base for one minute to allow the cordless handset and base to synchronize.
- ▶ Move the cordless handset closer to the telephone base. You might have moved out of range.
- ▶ Reset the telephone base. Unplug the electrical power. Wait for 15 seconds, then plug it back in. Allow up to one minute for the cordless handset and telephone base to reset.
- ▶ Other electronic products such as HAM radios and other DECT phones, can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.

The batteries do not hold a charge.

- ▶ If the cordless handset is in the telephone base or charger and the charge light is not on, refer to The charge light is off (page 96).
- ▶ Charge the battery in the cordless handset for at least 10 hours. For optimum daily performance, return the cordless handset to the telephone base or charger when not in use.
- ▶ If the battery is depleted, it might take approximately 30 minutes to charge the handset before it shows Low battery. Refer to the table on page 9 for details.
- ▶ You might need to purchase a new battery. Please refer to Battery installation and charging in this user's manual on pages 9-10.

I get noise, static, or weak signals even when I'm near the telephone base.

- ▶ If you subscribe to high-speed Internet service (DSL - digital subscriber line) through your telephone line, you must install a DSL filter between the telephone line cord and the telephone wall jack (see page 13). The filter prevents noise and caller ID problems as a result of DSL interference. Please contact your DSL service provider for more information about DSL filters.
- ▶ You may be able to improve the performance of your cordless phone by installing your new telephone base as far as possible from any other existing cordless telephone system that may already be installed.
- ▶ Other electronic products such as HAM radios and other DECT phones, can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.
- ▶ Do not install this phone near a microwave oven or on the same electrical outlet. You might experience decreased performance while the microwave oven is operating.
- ▶ If you plug your phone in with a modem or a surge protector, plug the phone (or modem/surge protector) into a different location. If this does not solve the problem, relocate your phone or modem farther apart from one another, or use a different surge protector.
- ▶ Move your phone to a higher location. The phone might have better reception in a high area.
- ▶ If other phones in your home are having the same problem, contact your telephone service provider (charges may apply).

I experience poor sound quality when using the speakerphone.

- ▶ For increased sound quality while using the speakerphone, place the handset on a flat surface with the dial pad facing up.

I hear other calls while using my phone.

- ▶ Disconnect the telephone base from the telephone jack, and plug in a different telephone. If you still hear other calls, call your telephone service provider.

My cordless handset does not ring when I receive a call.

- ▶ Make sure that the ringer is not off. Refer to Ringer volume on page 11 in this user's manual.
- ▶ Make sure you plug in the telephone line cord securely into the telephone base and the telephone jack. Make sure you plug in the power cord securely.
- ▶ The cordless handset may be too far from the telephone base.

Troubleshooting

- ▶ Charge the battery in the cordless handset for at least 10 hours. For optimum daily performance, return the cordless handset to the telephone base or charger when not in use.
- ▶ You may have too many extension phones on your telephone line to allow all of them to ring simultaneously. Try unplugging some of the other phones.
- ▶ The layout of your home or office might be limiting the operating range. Try moving the telephone base to another location, preferably to a higher location.
- ▶ If other phones in your home are having the same problem, contact your telephone service provider (charges might apply).
- ▶ Test a working phone at the phone jack. If another phone has the same problem, contact your telephone service provider (charges might apply).
- ▶ Other electronic products can cause interference with your cordless phone. Try installing your phone as far away as possible from electronic devices such as television sets, VCRs, or other cordless telephones.
- ▶ Completely remove the battery. Install the battery again and place the cordless handset into the telephone base. Wait for the cordless handset to reestablish its connection with the telephone base. Allow up to one minute for this to take place.
- ▶ Your line cord might be malfunctioning. Try installing a new line cord.

My calls cut in and out while I'm using my cordless handset.

- ▶ Other electronic products such as HAM radios and other DECT phones, can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.
- ▶ Do not install this phone near a microwave oven or on the same electrical outlet. You might experience decreased performance while the microwave oven is operating.
- ▶ If you plug your phone in with a modem or surge protector, plug the phone (or modem/surge protector) into a different location. If this does not solve the problem, relocate your phone or modem farther apart from one another, or use a different surge protector.
- ▶ Move your telephone base to a higher location. The phone might have better reception when installed in a high area.
- ▶ If other phones in your home are having the same problem, contact your telephone service provider (charges may apply).

Troubleshooting

The charge light is off.

- ▶ Make sure you plug the power and line cords in correctly and securely.
- ▶ Unplug the electrical power. Wait for 15 seconds, then plug it back in. Allow up to one minute for the cordless handset and telephone base to reset.
- ▶ Clean the cordless handset, charger and telephone base charging contacts each month with a pencil eraser or cloth.
- ▶ The battery may not be connected to the handset or is missing completely. Ensure that the battery is installed properly.

My caller ID isn't working.

- ▶ Caller ID is a subscription service. You must subscribe to this service from your telephone service provider for this feature to work on your phone.
- ▶ The caller may not be calling from an area which supports caller ID.
- ▶ Both your and your caller's telephone service providers must use caller ID compatible equipment.
- ▶ If you subscribe to high-speed Internet service (DSL - digital subscriber line) through your telephone line, you must install a DSL filter between the telephone line cord and the telephone wall jack (page 5). The filter prevents noise and caller ID problems resulting from DSL interference. Please contact your DSL service provider for more information about DSL filters.

System does not receive caller ID when on a call.

- ▶ Make sure you subscribe to caller ID with call waiting features from your telephone service provider. Caller ID features works only if both you and the caller are in areas offering caller ID service, and if both telephone service providers use compatible equipment.

Incomplete messages.

- ▶ If a caller leaves a very long message, part of it may be lost when the system disconnects the call after the maximum recording time you have set.
- ▶ If the caller pauses for longer than seven seconds, the system stops recording and disconnects the call.
- ▶ If the system's memory becomes full during a message, the system stops recording and disconnects the call.
- ▶ If the caller's voice is very soft, the system may stop recording and disconnect the call.

Difficulty hearing messages.

- ▶ Press **VOL ▲** to increase the telephone base speaker volume.
- ▶ Press **▲ VOLUME** to adjust the message playback volume on a handset.

System does not answer after the correct number of rings.

- ▶ Make sure that the answering system is on. **ANS ON** should show on the handset and the **☎/ANSWER ON** light on the telephone base should be on.
- ▶ If toll saver is activated, the number of rings changes to 2 when you have new messages stored (page 74).
- ▶ If the memory is full or the system is off, the system will answer after 10 rings.
- ▶ In some cases, the answering system is affected by the ringing system used by your telephone service provider.
- ▶ If you subscribe to voicemail service, change the number of rings (page 74) so that your answering system answers before your voicemail (page 77). To determine how many rings activate your voicemail, contact your telephone service provider.
- ▶ If there is a fax machine connected to the same telephone line, try disconnecting the fax machine. If that solves the problem, consult your fax machine documentation for information on compatibility with answering systems.

System does not respond to remote commands.

- ▶ Make sure to enter your remote access code correctly (page 84).
- ▶ Make sure you are calling from a touch-tone phone. When you dial a number, you should hear tones. If you hear clicks, the phone is not a touch-tone telephone and cannot activate the answering system.
- ▶ The answering system may not detect the remote access code while your announcement is playing. Try waiting until the announcement is over before entering the code.
- ▶ There may be interference on the phone line you are using. Press dialing keys firmly.

System does not record messages.

- ▶ Make sure the answering system is on. **ANS ON** should show on the handset and the **☎/ANSWER ON** light on the telephone base should be on.
- ▶ Make sure the memory of the answering system is not full.
- ▶ If you subscribe to voicemail service, change the number of rings (page 74) so that your answering system answers before your voicemail (page 77). To determine how many rings activate your voicemail, contact your telephone service provider.
- ▶ If there is a fax machine connected to the same telephone line, try disconnecting the fax machine. If that solves the problem, consult your fax machine documentation for information on compatibility with answering systems.

Troubleshooting


System announces, “Time and day not set.”

- ▶ You need to reset the system clock (page 17).

Outgoing announcement is not clear.

- ▶ When you record your announcement, make sure you speak in a normal tone of voice, about 9 inches from the handset.
- ▶ Make sure there is no background noise (TV, music, etc.) while recording.

New voicemail and show on the handset display, and I don't know why.

- ▶ Your telephone has both a built-in answering system and voicemail indicator. If **New voicemail** and  appear on the handset display, then your telephone has received a signal from your telephone service provider that you have a voicemail message waiting for you to retrieve from them. Contact your telephone service provider for more information on how to access your voicemail.

I cannot retrieve voicemail messages.

- ▶ Your telephone has both a built-in answering system and voicemail indicator. They are independent features and each alerts you to new messages differently (page 77). If you subscribe to voicemail service from your telephone service provider, contact your telephone service provider for more information on how to access your voicemail.

System screens all my incoming calls.

- ▶ You may have selected the **Screen unknown** or **Screen robot** profile setting for Smart call blocker (see page 44). The telephone asks callers to announce their names or press the pound key (**#**). We recommend that you add the phone numbers of your family members and friends, and desired businesses to your **Directory** (see page 31) or **Allow list** (see page 55), or add their names to the **Star name list** (see page 60). This will avoid Smart call blocker to screen their calls.
- ▶ To turn Smart call blocker off, see **Set Smart call blocker on/off** on page 48.

While screening a call, the telephone suddenly stops screening and connects to the call.

- ▶ Another handset may have picked up the screening call.
- ▶ If you have other telephone system sharing the same telephone line, and someone picks up the call on the other telephone system while the screening is in progress, the screening process will be terminated and connect you to the caller.

My telephone blocks calls from someone I know.

- You may have saved the caller's number in your block list. To remove the number from the block list, see **Delete a block entry** on page 54.

Blocking all unknown calls.

- If you want to block all unknown calls without numbers and calls with numbers or names that are not in your directory, allow list or star name list, select the **Block unknown** profile setting. See **Set profile** on page 48.

Forwarding all unknown calls to the answering system.

- If you want to forward all unknown calls without numbers and calls with numbers or names that are not in your directory, allow list or star name list to the answering system, select the **UnknownToAns.S** profile setting. See **Set profile** on page 48.

I've set my LCD language to Spanish or French and I don't know how to change it back to English.

- Press **MENU/SELECT** in idle mode. Then, enter ***364#** using the dialing keys. You hear a confirmation tone.

I subscribe to a nontraditional telephone service that uses my computer to establish connections, and my telephone doesn't work.

- Make sure your computer is powered on.
- Make sure your Internet connection is working properly.
- Make sure that the software is installed and running for your nontraditional telephone service.
- Make sure to plug your USB telephone adapter into a dedicated USB port on your computer. Do not plug it into a multiple port USB hub (USB splitter) that is not powered.
- In a few rare instances, the USB port on your computer may not have enough power. Try using a USB hub with its own external power supply.
- If you are using a firewall, it may prevent access to your nontraditional telephone service provider. Contact your service provider for more information.

Common cure for electronic equipment.

If the telephone does not seem to be responding normally, try putting the cordless handset in the telephone base or charger. If it does not fix the problem, do the following (in the order listed):

1. Disconnect the power to the telephone base.
2. Disconnect the cordless handset battery.
3. Wait a few minutes.
4. Connect power to the telephone base.
5. Completely remove the battery. Replace the battery and place the cordless handset into the telephone base or charger.
6. Wait for the cordless handset to reestablish its connection with the telephone base. Allow up to one minute for this to take place.

Taking care of your telephone

- › Your cordless telephone contains sophisticated electronic parts, so you must treat it with care.
- › Avoid rough treatment.
- › Place the handset down gently.
- › Save the original packing materials to protect your telephone if you ever need to ship it.

Avoid water

- › You can damage your telephone if it gets wet. Do not use the handset in the rain, or handle it with wet hands. Do not install the telephone base near a sink, bathtub or shower.

Electrical storms

- › Electrical storms can sometimes cause power surges harmful to electronic equipment. For your own safety, take caution when using electric appliances during storms.

Cleaning your telephone

- › Your telephone has a durable plastic casing that should retain its luster for many years. Clean it only with a soft cloth slightly dampened with water or mild soap.
- › Do not use excess water or cleaning solvents of any kind.

Remember that electrical appliances can cause serious injury if used when you are wet or standing in water. If the telephone base should fall into water, **DO NOT RETRIEVE IT UNTIL YOU UNPLUG THE POWER CORD AND TELEPHONE LINE CORDS FROM THE WALL.** Pull the unit out by the unplugged cords.

Appendix FCC Part 68 and ACTA

This equipment complies with Part 68 of the FCC rules and with technical requirements adopted by the Administrative Council for Terminal Attachments (ACTA). The label on the back or bottom of this equipment contains, among other things, a product identifier in the format US:AAAEQ##TXXXX. This identifier must be provided to your telephone service provider upon request.

The plug and jack used to connect this equipment to premises wiring and the telephone network must comply with the applicable Part 68 rules and technical requirements adopted by ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. An RJ11 jack should normally be used for connecting to a single line and an RJ14 jack for two lines. See the installation instructions in the user's manual.

The Ringer Equivalence Number (REN) is used to determine how many devices you may connect to your telephone line and still have them ring when you are called. The REN for this product is encoded as the 6th and 7th characters following the US: in the product identifier (e.g., if ## is 03, the REN is 0.3). In most, but not all areas, the sum of all RENs should be five (5.0) or less. For more information, please contact your telephone service provider.

This equipment may not be used with Party Lines. If you have specially wired alarm dialing equipment connected to your telephone line, ensure the connection of this equipment does not disable your alarm equipment. If you have questions about what will disable the alarm equipment, consult your telephone service provider or a qualified installer.

If this equipment is malfunctioning, it must be unplugged from the modular jack until the problem has been corrected. Replacement to this telephone equipment can only be made by the manufacturer or its authorized agents. For replacement procedures, follow the instructions outlined under the Limited warranty.

If this equipment is causing harm to the telephone network, the telephone service provider may temporarily discontinue your telephone service. The telephone service provider is required to notify you before interrupting service. If advance notice is not practical, you will be notified as soon as possible. You will be given the opportunity to correct the problem and the telephone service provider is required to inform you of your right to file a complaint with the FCC. Your telephone service provider may make changes in its facilities, equipment, operation, or procedures that could affect the proper functioning of this product. The telephone service provider is required to notify you if such changes are planned.

If this product is equipped with a corded or cordless handset, it is hearing aid compatible.

If this product has memory dialing locations, you may choose to store emergency telephone numbers (e.g., police, fire, medical) in these locations. If you do store or test emergency numbers, please:

Remain on the line and briefly explain the reason for the call before hanging up.

Perform such activities in off-peak hours, such as early morning or late evening.

Appendix FCC Part 68 and ACTA

Industry Canada

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Privacy of communications may not be ensured when using this telephone.

The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

The Ringer Equivalence Number (REN) for this terminal equipment is 1.0. The REN indicates the maximum number of devices allowed to be connected to a telephone interface. The termination of an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices not exceed five.

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Appendix FCC Part 15

This equipment has been tested and found to comply with the requirements for a Class B digital device under Part 15 of the Federal Communications Commission (FCC) rules. These requirements are intended to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ▶ Reorient or relocate the receiving antenna.
- ▶ Increase the separation between the equipment and receiver.
- ▶ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ▶ Consult the dealer or an experienced radio/TV technician for help.

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

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



To ensure safety of users, the FCC has established criteria for the amount of radio frequency energy that can be safely absorbed by a user or bystander according to the intended usage of the product. This product has been tested and found to comply with the FCC criteria. The handset may be safely held against the ear of the user. The telephone base shall be installed and used such that parts of the user's body other than the hands are maintained at a distance of approximately 20 cm (8 inches) or more.

This Class B digital apparatus complies with Canadian requirement:
CAN ICES-3 (B)/NMB-3(B).

California Energy Commission battery charging testing instructions

This telephone is set up to comply with the energy-conserving standards right out of the box. These instructions are intended for California Energy Commission (CEC) compliance testing only. When the CEC battery charging testing mode is activated, all telephone functions, except battery charging, will be disabled.


To activate the CEC battery charging testing mode:

1. Unplug the telephone base power adapter from the power outlet. Make sure all handsets are plugged with charged batteries before proceeding.
2. While you press and hold  /**HANDSET LOCATOR**, plug the telephone base power adapter back to the power outlet.
3. After about 20 seconds, when the **IN USE** light starts flashing, release  /**HANDSET LOCATOR** and then press it again within two seconds.



The process takes up to one minute to complete. When the phone successfully enters the CEC battery charging testing mode, the **IN USE** light turns off and all handsets display **To register HS...** and **see manual..** You hear a confirmation tone.

When the phone fails to enter this mode, repeat the steps mentioned above.

Note: The telephone base will be powered up as normal if you fail to press  /**HANDSET LOCATOR** within two seconds in Step 3.

To deactivate the CEC battery charging testing mode:

1. Unplug the telephone base power adapter from the power outlet, then plug it back in. The telephone base is powered up as normal.
2. Register your handsets back to the telephone base. See page 56 for handset registration instructions.

Limited warranty

The AT&T brands are used under license. This product is covered by a one-year limited warranty. Any replacement or warranty service, and all questions about this product, should be directed to our website at <https://telephones.att.com> or call **1 (800) 222-3111**. In Canada, dial **1 (866) 288-4268**.

1. What does this limited warranty cover?

The manufacturer of this AT&T Product, Advanced American Telephones, warrants to the holder of a valid proof of purchase (“Consumer” or “you”) that the Product and all accessories provided by Advanced American Telephones in the sales package (“Product”) are free from material defects in material and workmanship, pursuant to the following terms and conditions, when installed and used normally and in accordance with operation instructions. This limited warranty extends only to the Consumer for Products purchased and used in the United States of America and Canada.

2. What will Advanced American Telephones do if the Product is not free from material defects in materials and workmanship during the limited warranty period (“Materially Defective Product”)?

During the limited warranty period, Advanced American Telephones’ authorized service representative will replace, at Advanced American Telephones’ option, without charge, a Materially Defective Product. If we choose to replace this Product, we may replace it with a new or refurbished Product of the same or similar design. Advanced American Telephones will return replacement Products to you in working condition.

Advanced American Telephones will retain defective parts, modules, or equipment. Replacement of Product, at Advanced American Telephones’ option, is your exclusive remedy. You should expect the replacement to take approximately 30 days.

3. How long is the limited warranty period?

The limited warranty period for SynJ® and Syn248® products is TWO (2) YEARS from the date of purchase, while all other products limited warranty period is ONE (1) YEAR from the date of purchase. If we replace a Materially Defective Product under the terms of this limited warranty, this limited warranty also applies to replacement Products for a period of either (a) 90 days from the date the replacement Product is shipped to you or (b) the time remaining on the original one-year limited warranty, whichever is longer.

4. What is not covered by this limited warranty?

This limited warranty does not cover:

- ▶ Product that has been subjected to misuse, accident, shipping or other physical damage, improper installation, abnormal operation or handling, neglect, inundation, fire, water or other liquid intrusion; or
- ▶ Product that has been damaged due to repair, alteration or modification by anyone other than an authorized service representative of Advanced American Telephones; or
- ▶ Product to the extent that the problem experienced is caused by signal conditions, network reliability or cable or antenna systems; or
- ▶ Product to the extent that the problem is caused by use with non-Advanced American Telephones electrical accessories; or
- ▶ Product whose warranty/quality stickers, Product serial numbers plates or electronic serial numbers have been removed, altered or rendered illegible; or
- ▶ Product purchased, used, serviced, or shipped for repair from outside the United States, or used for commercial or institutional purposes (including but not limited to Products used for rental purposes); or
- ▶ Product returned without valid proof of purchase (see 6 below); or
- ▶ Charges for installation or set up, adjustment of customer controls, and installation or repair of systems outside the unit.

Limited warranty

5. How do you get warranty service?

To obtain warranty service in the United States of America, visit <https://telephones.att.com> or call **1 (800) 222-3111**. In Canada, please dial **1 (866) 288-4268**.

NOTE: Before calling for service, please check the user's manual. A check of the PRODUCT's controls and features may save you a service call.

Except as provided by applicable law, you assume the risk of loss or damage during transit and transportation and are responsible for delivery or handling charges incurred in the transport of Product(s) to the service location. Advanced American Telephones will return replaced Product under this limited warranty to you, transportation, delivery or handling charges prepaid. Advanced American Telephones assumes no risk for damage or loss of the Product in transit.

6. What must you return with the PRODUCT to get warranty service?

- ▶ Return the entire original package and contents including the Product to the Advanced American Telephones service location along with a description of the malfunction or difficulty;
- ▶ Include "valid proof of purchase" (sales receipt) identifying the Product purchased (Product model) and the date of purchase or receipt; and
- ▶ Provide your name, complete and correct mailing address and telephone number.

7. Other limitations

This warranty is the complete and exclusive agreement between you and Advanced American Telephones. It supersedes all other written or oral communications related to this Product. Advanced American Telephones provides no other warranties for this Product. The warranty exclusively describes all of Advanced American Telephones' responsibilities regarding the Product. There are no other express warranties. No one is authorized to make modifications to this limited warranty and you should not rely on any such modification.

State/Provincial Law Rights: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Limitations: Implied warranties, including those of fitness for a particular purpose and merchantability (an unwritten warranty that the Product is fit for ordinary use) are limited to one year from date of purchase. Some states/provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

In no event shall Advanced American Telephones be liable for any indirect, special, incidental, consequential, or similar damages (including, but not limited to lost profits or revenue, inability to use the Product, or other associated equipment, the cost of substitute equipment, and claims by third parties) resulting from the use of this Product. Some states/provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Please retain your original sales receipt as proof of purchase.

Technical specifications

RF frequency band	1921.536MHz - 1928.448MHz
Channels	5
Operating temperature	32°F - 122°F 0°C - 50°C
Telephone base voltage (AC voltage, 60Hz)	96Vrms - 130Vrms
Telephone base voltage (AC adapter output)	6VDC @ 400mA
Handset voltage	2.4VDC - 2.8VDC
Charger voltage (AC adapter output)	6VDC @ 400mA

Operation	Operating time*
Talk time (cordless handset)	Up to 10 hours
Standby	Up to 6 days

* Operating times vary depending on your actual use and the age of the battery.

DECT 6.0 digital technology

The AT&T DECT 6.0 products offer unsurpassed range performance and sound clarity. This is achieved through a unique antenna design and advances in noise-filtering technology. An independent laboratory has confirmed that AT&T DECT 6.0 products perform up to 45% better in range competitions against similarly equipped phones of the leading competition. Now, calls can be taken in the basement, backyard and garage with exceptional sound quality.

Telephone operating range

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

Redefining long range coverage and clarity

This telephone base comes with an antenna which gives much better clarity and covers a longer range than before.

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Remote access wallet card

Use the wallet card, as shown below, to help you remember commands to control your answering system from any touch-tone telephone.

Cut along dotted line.



Call your phone number, then enter your two-digit access code (preset to **19**).

Action	Remote command
Play all messages.....	1
Play new messages.....	2
Delete the message	3
Delete all old messages	33
Repeat or go back.....	4
Stop	5
Help menu.....	*5
Skip the message.....	6
Record announcement.....	*7
End remote access call	8 (or hang up)
Turn system off or on	0

Fold here.

Models: BL102/BL102-2/BL102-3/BL102-4/BL102-5
Type: DECT 6.0 cordless telephone/answering system with caller ID/call waiting

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