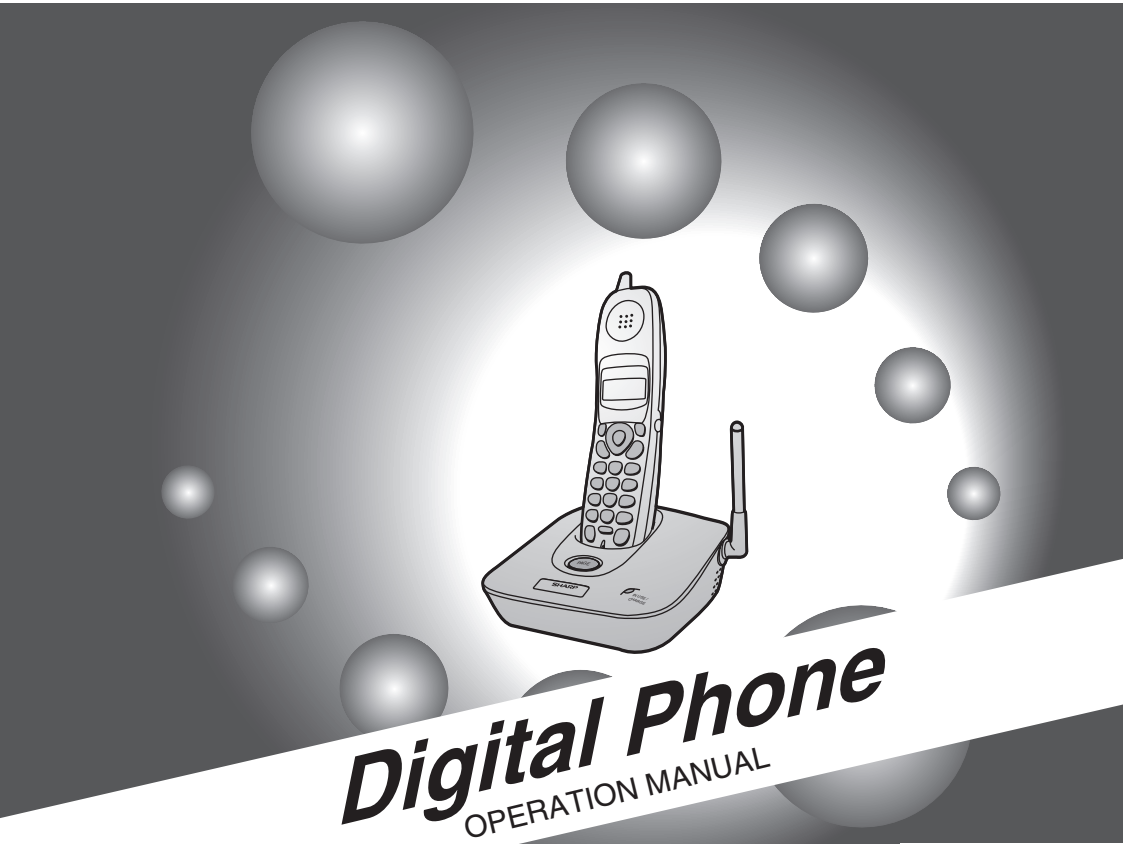
MODEL

BB-HC1



1. *Setting Up*
2. *Using the Cordless Handset*
3. *Caller ID (Requires Subscription to Service)*
4. *Maintenance and Troubleshooting*

SHARP®

WARNING - FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed 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 the 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.

IMPORTANT NOTICE

Base

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for at uncontrolled equipment.

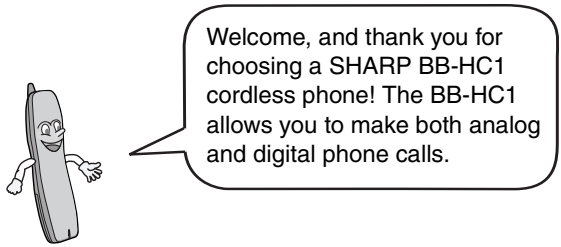
This equipment should be installed and operated with minimum distance at least 20 cm between the radiator and persons body (excluding extremities: hands, wrists, feet and legs) and must not be co-located or operated with any other antenna or transmitter.

Cordless phone

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

Introduction



Important: To use the BB-HC1 to make digital phone calls, you must subscribe to a digital phone service from your Internet service provider.

Cordless phone specifications

Frequency	2.4 GHz (2.405 to 2.475 GHz)
Dimensions	Width: 1.8" (46 mm) Depth: 1.7" (42 mm) Height: 7.1" (180 mm) (not including antenna)
Weight	Approx. 0.3 lbs. (115 g) (without battery)
Battery	3.6 V Ni-MH battery; capacity: 850 mAh
Power consumption	Approx. 35 mW (when not in base)
Initial charging	Approx. 10 hours for initial charge
Battery life	Approx. 4 hours (240 minutes) (at room temp.)
Battery life in standby mode	Approx. 3 days with one full charge (at room temperature) *Battery life (both normal and in standby mode) may vary depending on usage, range from base and environmental conditions such as temperature*.

Base specifications

Dimensions	Width: 5.3" (134 mm) Depth: 5.3" (135 mm) Height: 2.4" (60 mm) (not including antenna)
Weight	Approx. 0.6 lbs. (270 g) (not including AC adapter)
Power supply	120 V, 60 Hz (only the provided AC adapter can be used)
Power consumption	Charging: 6.7 W Standby: 4.3 W In use: 4.8 W Maximum: 6.7 W

As a part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

Important safety information

Do not disassemble this product or attempt any procedures not described in this manual. Refer all servicing to qualified service personnel.

Do not install or use the equipment near water, or when you are wet. For example, do not use the equipment near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool. Take care not to spill any liquids on the equipment.

Unplug the base from the power outlet and telephone jack and consult a qualified service representative if any of the following situations occur:
- Liquid has been spilled into the base or the base has been exposed to rain or water.
- The base produces odors, smoke, or unusual noises.
- The power cord is frayed or damaged.
- The base has been dropped or the housing damaged.

Do not allow anything to rest on the power cord, and do not install the base where people may walk on the power cord.

The base must only be connected to a 120 V, 60 Hz outlet using the provided AC adapter. Connecting it to any other kind of outlet through any other adapter will damage the base and invalidate the warranty.

Never insert objects of any kind into slots or openings on the equipment. This could create a risk of fire or electric shock. If an object falls into the equipment that you cannot remove, unplug the base and consult a qualified service representative.

Never install telephone wiring during a lightning storm.

Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.

Never touch bare telephone wires or terminals unless the telephone line has been disconnected at the network interface.

Use caution when installing or modifying telephone lines.

Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

Do not use a telephone to report a gas leak in the vicinity of the leak.

Battery

Use only the battery specified in this manual. Use only the provided base unit to charge the battery.

Do not open or mutilate the battery pack. Corrosive fluid may leak out and cause injury or burns to the eyes and skin. The fluid may be toxic if swallowed. In case of contact with eyes, flush with clean water (do not rub), and seek medical attention immediately.

Do not store or carry the battery with other metal objects such as keys or pins. These may short the battery and cause it to overheat.

Do not allow the battery to become wet.

Do not dispose of the battery in a fire or heat the battery. The battery may explode.

Health care facilities and equipment

Radio frequency energy emitted from the cordless phone equipment may cause medical equipment to malfunction. Verify that any personal medical equipment you are using is adequately shielded from external radio frequency energy before using the cordless phone equipment. Do not use the cordless phone equipment in health care facilities where such use is prohibited.

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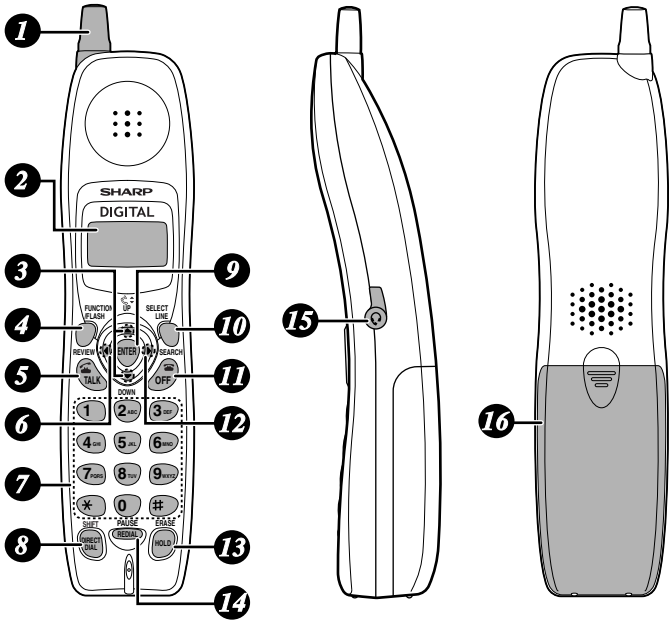
A Look at the Phone

Cordless phone



1 **Antenna**

2 **Display**
This displays messages and prompts to help you use the cordless phone.

3 **UP and DOWN arrow keys**
Receiver volume: When talking on the cordless phone, press these keys to adjust the receiver volume. This also adjusts the volume when using a headset (purchased separately) connected to the cordless phone.
Ringer volume: When not talking on the cordless phone, press these keys to adjust the cordless phone ringer volume.
Scroll through numbers: Press these keys to scroll when searching for a phone number.

4 **FUNCTION/FLASH key**
Press this key to change one of the function settings. The key is also used for special services such as Call Waiting that require subscription from your phone company (contact your phone company for details).

5 **TALK key**
Press this key to make or answer a call.

6 **REVIEW (left arrow) key**
Press the **REVIEW** key and then the **UP** or **DOWN** key to scroll through your most recently received calls (only available if you have Caller ID). This key can also be used to move the cursor left when entering or editing an auto-dial number or name.

7 **Number keys**
Use these keys to dial numbers, and enter numbers and letters when storing auto-dial numbers.

8 **DIRECT DIAL (SHIFT) key**
Press this key to automatically dial the phone number stored in the **DIRECT DIAL** key. This key is also used to switch between upper and lower case when entering a name for an auto-dial number.

9 **ENTER key**
Press this key to select a setting after scrolling with the **UP** or **DOWN** key, and to store auto-dial numbers and names entered with the numeric keys.

10 **SELECT LINE key**
Press this key before making a phone call to select the line. Line A1 is for analog phone calls and line D2 is for digital phone calls.

11 **OFF key**
Press this key to end a call, or to exit a programming procedure.

12 **SEARCH (right arrow) key**
Press the **SEARCH** key and then the **UP** or **DOWN** key to scroll through your auto-dial numbers. This key can also be used to move the cursor right when entering or editing an auto-dial number or name.

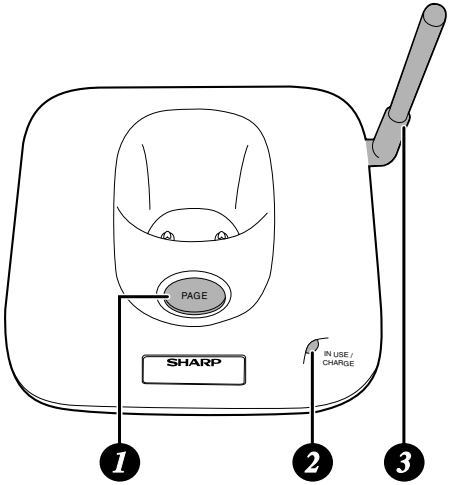
13 **HOLD (ERASE) key**
Hold: Press this key during a call to put the other party on hold.
Erase: Press this key to erase a phone number when searching through your auto-dial numbers. Press the key to delete a digit or character when storing or editing an auto-dial number.

14 **REDIAL (PAUSE) key**
Press this key to redial the last number dialed. When storing an auto-dial number, press this key to insert a pause between digits.

15 **Headset jack**
This jack lets you connect a headset (purchased separately) to the cordless phone.

16 **Battery cover**
Remove this cover to install or replace the cordless phone battery.

Base



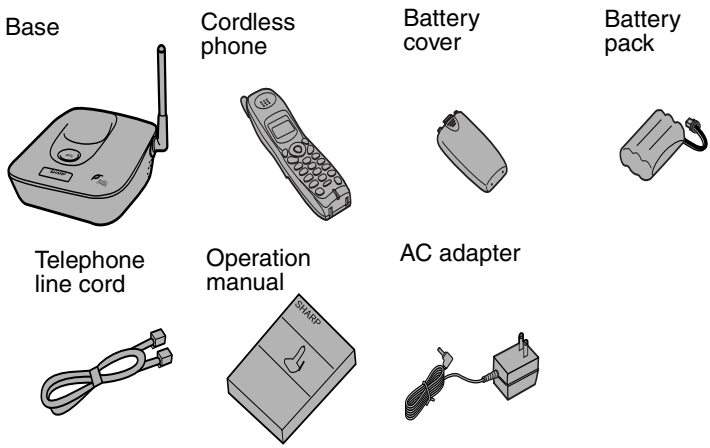
1 **PAGE key**
Press this key to locate the cordless phone in the event that you misplace it. When the key is pressed, the cordless phone will ring.

2 **IN USE/CHARGE indicator (red)**
This blinks when the cordless phone is in use, and lights steadily when the cordless phone is in the base and charging. When the cordless phone battery is fully charged, the indicator goes out.

3 **Antenna**

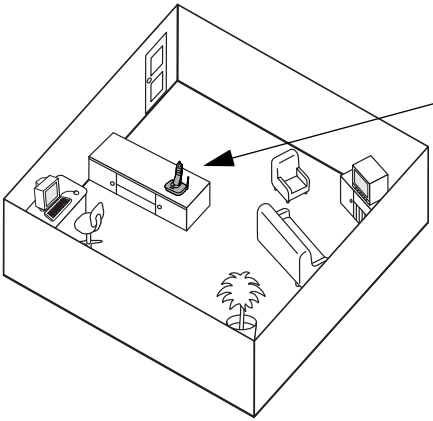
1. Installation

Unpacking Checklist

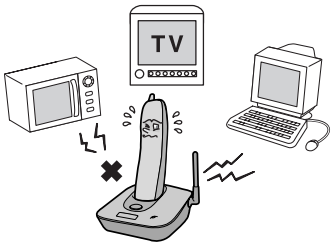


Selecting a Location for the Base

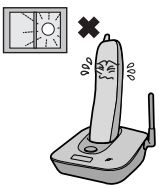
To maximize the talking range of the cordless phone, we recommend installing the base in a high and central location away from obstructions such as walls.



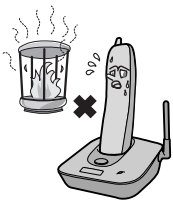
High and central location with no obstructions



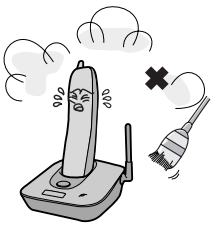
Keep the base away from other electrical appliances such as TVs, microwave ovens, computers, and other cordless phones.



Do not place the base in direct sunlight.



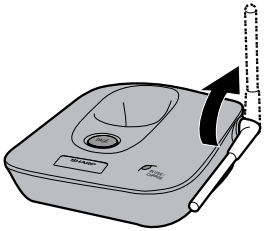
Do not place the base near heaters or air conditioners.



Keep dust away from the base.

Raising the base antenna

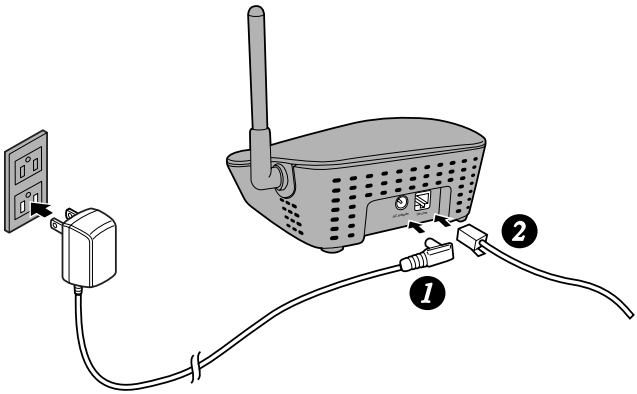
Raise the base antenna to ensure clear communication with the cordless phone.



Connecting the AC Adapter and Telephone Line Cord

❶ Connect the AC adapter to the **AC Adapter** socket on the base, and then plug it into a 120-V, 60-Hz outlet.

❷ Connect one end of the telephone line cord to the **Tel Line** jack on the base, and the other end to a standard (RJ11C) wall telephone jack.



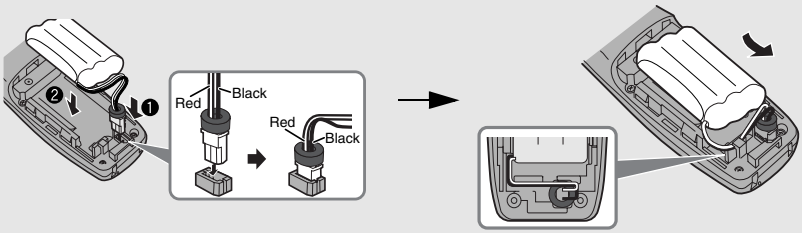
Gateway setup

To use the cordless phone to make digital phone calls, your gateway must be properly connected and the power turned on. In addition, your gateway settings must be configured for use with the cordless phone. For details, see the gateway instruction sheet that accompanied the cordless phone.

Installing and Charging the Battery

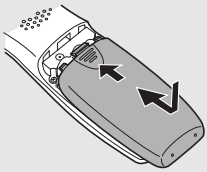
1 Connect the battery connector (❶), and then place the battery pack in the cordless phone (❷).

- Place the wires as shown.



2 Place the battery cover on the cordless phone, making sure it snaps firmly into place.

- Make sure that the wires are not caught or pinched by the cover.



3 Place the cordless phone in the base with the dial pad facing forward.

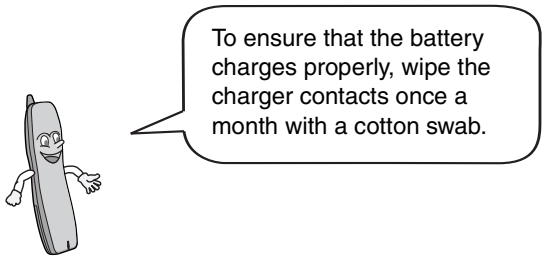
- **Important!** The dial pad must face forward, or the battery will not charge.
- The battery charges automatically while the cordless phone is in the base. While charging, the display shows CHARGING.
- The cordless phone and base may feel warm while charging. This is normal.

Charge the battery at least **10** hours the first time!

Note: The battery cannot be overcharged. When not using the cordless phone, keep it in the base to ensure that it is always charged.

When the battery needs charging, LOW BATTERY will appear in the display and you will hear beeps during a phone conversation. Place the cordless phone in the base and let it charge.

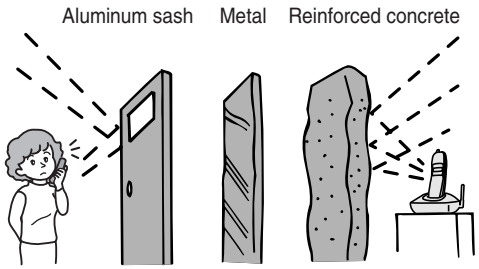
Note: If the battery is extremely low, nothing may appear in the display during the first several minutes that the cordless phone is in the base. The battery will begin to charge normally after several minutes.



Talking range
The talking range of the cordless phone is approximately 900 ft. (300 m) (line of sight). If you hear noise or interference while talking, move closer to the base.

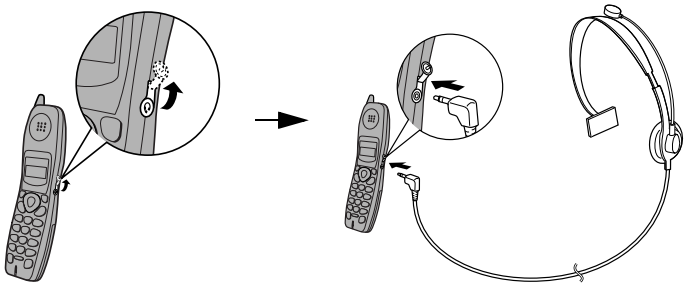
- When outside the talking range, OUT OF RANGE appears in the display. If you move out of the talking range while talking, the phone will beep and you may hear interference.

Large metal objects, metal structures, and thick walls reduce the talking range.



Connecting a headset

You can connect a headset (purchased separately) to the headset jack. Remove the cap and insert the connector as shown.

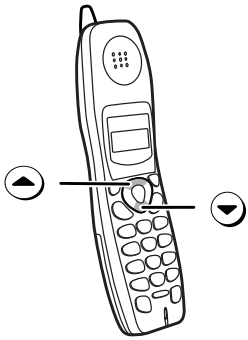


Setting the dial mode for the analog phone line

The cordless phone is set to use tone dialing when you make a call on the analog phone line. If you are on a pulse dial line, you must set the cordless phone to use pulse dialing. Press the panel keys as follows:

		Display:
1	**Press FUNCTION /FLASH once and ▼ twice.**	DIRECT # CALLER-ID ▶ANALOG LINE
2	**Press ENTER.**	ANALOG LINE ▶TONE PULSE
3	**Press ▼ once to select PULSE.**	ANALOG LINE TONE ▶PULSE
4	**Press ENTER.** • The display briefly shows your new setting.	

Volume Adjustment



You can adjust the volume of the receiver and ringer using the up and down arrow keys.

Receiver volume

1 **When talking on the cordless phone, press ⌃ or ⌄ until the display shows the desired volume level.**

Display:

RECEIVER: HIGH

↕

RECEIVER: MIDDLE

↕

RECEIVER: LOW

Ringer

1 **When the cordless phone is not being used for a phone call, press ▲ or ▼ until the display shows the desired ringer volume level.**

- The ringer will ring once at the selected level.

Display:

RINGER: HIGH

↕

RINGER: MIDDLE

↕

RINGER: LOW

↕

RINGER: OFF OK ?
OK: PRESS ENTER

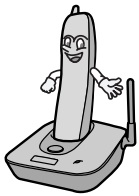
2 **If you wish to turn off the ringer, press ▼ until "RINGER: OFF OK ?" appears and then press ENTER.**

2. Using the Cordless Phone

Selecting the Line

Line A1 is for calls over the analog line, and line D2 is for calls over the digital line.

To change the line selection, press SELECT LINE before dialing.



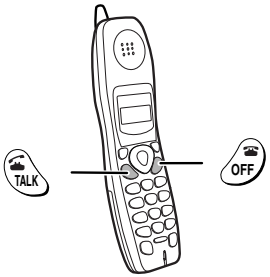
The current line selection appears in the standby display.

▶ A1
D2

Note: If line D2 cannot be selected, check your gateway to make sure it is connected properly and the power is turned on. In addition, make sure your gateway settings are configured as explained in the gateway instruction sheet that accompanied the cordless phone.

Making a Phone Call

When making a phone call, you dial the regular phone number (including the area code, if needed) no matter whether the phone call is a digital call or an analog call.



1 **Pick up the cordless phone. Check the display to make sure the desired line is selected.**

(Press SELECT LINE to change the selection: A1 for analog, or D2 for digital.)

Example: D2 is selected for a digital call

```
  A1
▶ D2
```

2 **Press TALK.**

```
TALK
```

3 **When you hear the dial tone, dial the number.**

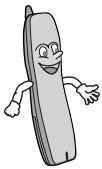
4 **When you are ready to end the call, press OFF.**

- You can also end the call by simply placing the cordless phone in the base.

Temporarily issuing tones on a pulse-dial analog line

If your analog line is a pulse-dial line, you can press * during a call to make the cordless phone temporarily issue tones when the number keys are pressed.

Pre-set Dialing



You can also dial by entering the phone number first and then pressing TALK .

Check the number in the display before pressing TALK . If there is a mistake, press ERASE HOLD to clear the mistake and then enter the correct digits.

Note: If a pause is needed between any of the digits to access an outside line or a special service, press PAUSE REDIAL . The pause will appear as a hyphen (-).

Receiving a Phone Call

1 When the cordless phone rings, pick it up and press any key (except OFF , ENTER , or SELECT LINE) to answer. Talk to the other party.

- If the cordless phone is in the base, simply pick it up to answer (you do not need to press a key).

2 When you are ready to end the call, press OFF .

- You can also end the call by simply placing the cordless phone in the base.

If calls come in on both lines at once

If calls come in on both the digital and analog lines at once, use SELECT LINE before answering to select which call you wish to answer. If a call comes in on the other line during a call, you will hear ringing. To answer the other call, you must first end the first call.

Putting a Call on Hold

To put the other party on hold during a call, press HOLD. When you are ready to resume the call, press HOLD once again. Note that if you place the cordless phone in the base while a call is on hold, the call will automatically be resumed when you pick up the cordless phone.

Using the DIRECT DIAL Key

You can store a phone number in the **DIRECT DIAL** key. This allows you to dial the number by simply pressing the **DIRECT DIAL** key.

♦ Only one phone number can be stored in the **DIRECT DIAL** key.

Storing a phone number in the DIRECT DIAL key

		Display:
1	**Press** FUNCTION /FLASH **.**	▶DIRECT # CALLER-ID ANALOG LINE
2	**Press** ENTER **.**	DIRECT # ▶ENTRY ERASE
3	**Press** ENTER **.**	ENTER TEL #

4 **Enter the number (up to 16 digits) by pressing the number keys. (Note: A space cannot be entered.)**

- To clear a mistake, press ERASE HOLD **.**
- If a pause is required between any of the digits to access a special service or an outside line, press PAUSE REDIAL. The pause appears as a hyphen (two seconds per pause). Several pauses can be entered in a row.

5 **Press (ENTER).**

6 **Enter a name by pressing number keys for each letter as shown in the chart below. Up to 15 characters can be entered. (If you do not wish to enter a name, go directly to Step 7.)**

Example: SHARP = 7777 44 2 777 (▶) 7

SPACE = (1)	G = (4 GHI)	N = (6 MNO)(6 MNO)	U = (8 TUV)(8 TUV)
A = (2 ABC)	H = (4 GHI)(4 GHI)	O = (6 MNO)(6 MNO)(6 MNO)	V = (8 TUV)(8 TUV)(8 TUV)
B = (2 ABC)(2 ABC)	I = (4 GHI)(4 GHI)(4 GHI)	P = (7 PQRS)	W = (9 WXYZ)
C = (2 ABC)(2 ABC)(2 ABC)	J = (5 JKL)	Q = (7 PQRS)(7 PQRS)	X = (9 WXYZ)(9 WXYZ)
D = (3 DEF)	K = (5 JKL)(5 JKL)	R = (7 PQRS)(7 PQRS)(7 PQRS)	Y = (9 WXYZ)(9 WXYZ)(9 WXYZ)
E = (3 DEF)(3 DEF)	L = (5 JKL)(5 JKL)(5 JKL)	S = (7 PQRS)(7 PQRS)(7 PQRS)(7 PQRS)	Z = (9 WXYZ)(9 WXYZ)(9 WXYZ)(9 WXYZ)
F = (3 DEF)(3 DEF)(3 DEF)	M = (6 MNO)	T = (8 TUV)	

- To enter two letters in succession that require the same key, press (▶) after entering the first letter.
- To clear a mistake, press (ERASE HOLD).
- To change case, press (SHIFT DIRECT DIAL).
- To enter one of the following symbols, press (#) or (✱) repeatedly:
  . / ! " # $ % & ' ( ) ✱ + , - : ; < = > ? @ [¥] ^ _ ' { | } → ←

7 **Press (ENTER).**

- The display briefly shows STORED.

Editing the DIRECT DIAL number

If you need to change the number and/or name stored in the **DIRECT DIAL** key, repeat the storing procedure.

Dialing with the DIRECT DIAL key

1 **Make sure the correct line is selected, and then press** SHIFT DIRECT DIAL **.**

- The display shows the name and number stored in the **DIRECT DIAL** key.

2 **Press** TALK **. Dialing begins automatically.**

Note: You can also dial by pressing TALK first and then SHIFT DIRECT DIAL .

Clearing the phone number in the DIRECT DIAL key

1 **Press** FUNCTION /FLASH **and** ENTER **.**

Display:

```
 DIRECT #
▶ENTRY
 ERASE
```

2 **Press** ▼ **to select ERASE, and then press** ENTER **.**

Using the Phone Book

Storing numbers in the phone book

You can store up to 30 auto-dial numbers in the phone book.

1 **Press** ▶ SEARCH **.**

Display:

```
SEARCH DIAL
▲▼: SEARCH
▶: TEL # ENTRY
```

2 **Press** ▶ SEARCH **.**

```
ENTER TEL #
```

3 **Enter the number (up to 16 digits) by pressing the number keys. (Note: A space cannot be entered.)**

- To clear a mistake, press ERASE HOLD.
- If a pause is required between any of the digits to access a special service or an outside line, press PAUSE REDIAL. The pause appears as a hyphen (two seconds per pause). Several pauses can be entered in a row.

4 **Press ENTER.**

5 **Enter a name by pressing number keys for each letter as shown in the chart below. Up to 15 characters can be entered. (If you do not wish to enter a name, go directly to Step 6.)**

Example: SHARP = 7777 44 2 777 ▶ 7

SPACE = 1	G = 4	N = 6 6	U = 8 8
A = 2	H = 4 4	O = 6 6 6	V = 8 8 8
B = 2 2	I = 4 4 4	P = 7	W = 9
C = 2 2 2	J = 5	Q = 7 7	X = 9 9
D = 3	K = 5 5	R = 7 7 7	Y = 9 9 9
E = 3 3	L = 5 5 5	S = 7 7 7 7	Z = 9 9 9 9
F = 3 3 3	M = 6	T = 8	

♦ To enter two letters in succession that require the same key, press ▶ after entering the first letter.

♦ To clear a mistake, press ERASE HOLD.

♦ To change case, press SHIFT DIRECT DIAL.

♦ To enter one of the following symbols, press # or * repeatedly:
. / ! " # $ % & ' ( ) * + , - : ; < = > ? @ [¥] ^ _ ' { | } → ←

6 **Press (ENTER).**

- The display briefly shows STORED.

Dialing a number in the phone book

1 **Make sure the desired line is selected, and then press (▶)SEARCH.**

```
SEARCH DIAL
▲▼: SEARCH
▶ : TEL # ENTRY
```

2 **Press (▲) or (▼) until the party you wish to dial is selected in the display.**

Example: "ANN S." is selected

```
▶ ANN S.
  BILL
  UNCLE FRED
```

To check the number of the selected name, press (ENTER):

```
PHONE BOOK VIEW
              525-8693
ANN S.
```

3 **Press (TALK). The number is automatically dialed.**

Editing a number in the phone book

If you need to make changes to a previously stored auto-dial number, follow these steps:

1 **Press ▶ SEARCH once.**

```
SEARCH DIAL
▲▼: SEARCH
▶ : TEL # ENTRY
```

2 **Press ▲ or ▼ until the number you wish to edit appears in the display.**

3 **Press ENTER twice.**

4 **Press the number keys to enter the new number.**

- To clear a mistake, press ERASE HOLD. If a pause is required between any of the digits to access a special service or an outside line, press PAUSE REDIAL.
- If you do not wish to change the number, go directly to Step 5.

5 **Press ENTER.**

6 **Press the number keys to enter the new name (see Step 5 on page 22).**

- If you do not wish to change the name, go directly to Step 7.

7 **Press ENTER.**

- The display briefly shows STORED.

Clearing a number from the phone book

If you need to clear a number from the phone book, follow these steps:

1 **Press ▶ SEARCH once.**

SEARCH DIAL
▲▼: SEARCH
▶ : TEL # ENTRY

2 **Press ▲ or ▼ until the number you wish to clear appears in the display.**

3 **Press ENTER and ERASE HOLD.**

The selected number and name appear here →

ERASE?
000-0000
XXXXX

4 **Press ENTER.**

- The display briefly shows ERASED.

Deleting all numbers from the phone book

If needed, you can delete all numbers from the phone book.

1 **Press FUNCTION /FLASH once and ▲ once.**

Display:

▶ERASE BOOK
DIRECT #
CALLER-ID

2 **Press ERASE HOLD.**

PRESS HOLD KEY
TO ERASE BOOK

3 **Press ENTER.**

ERASED

Redial

You can automatically redial the last number dialed (regardless of which line was used).

Note: If the base is unplugged or a power failure occurs, the last number dialed will be erased.

1 **Make sure the desired line is selected, and then press REDIAL.**

- Check the display to make sure the number that appears is the number you wish to dial. (If the wrong number appears, press OFF to clear it.)

2 **Press TALK. The number is automatically dialed.**

Note: You can also redial by pressing TALK first and then REDIAL. Note that this method does not allow you to check the number before dialing begins.

Changing the Flash Time

The **FUNCTION/FLASH** key is used to access special services from your phone company that require subscription. If you find that you cannot access a service when you press the key as instructed by the phone company, try a different flash time setting. Three time settings are available.

Display:

1 **Press FUNCTION/FLASH once and ▲ twice.**

```
▶FLASH TIME
 ERASE BOOK
 DIRECT #
```

2 **Press ENTER.**

```
 FLASH TIME
▶400ms
 600ms
```

3 **Press ▼ to select a new time setting.**

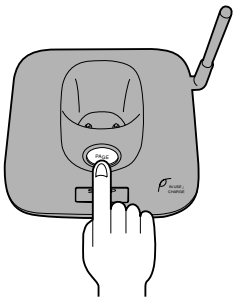
```
 400 ms
 600 ms
▶800 ms
```

4 **Press** (ENTER).

- The display briefly shows your new setting.

Locating the Cordless Phone

If you misplace the cordless phone, press the **PAGE** key on the base. The cordless phone will ring to help you to locate it. To stop the ringing, press any key on the cordless phone, or press the **PAGE** key on the base again.



3. Caller ID (Requires Subscription to Service)

If you subscribe to a Caller ID service, you can have the cordless phone display the name and number of the caller when you receive a call.

Important:

- To use this function, you must subscribe to a caller ID service. You must subscribe separately for both the analog line and the digital line.
- Your cordless phone may not be compatible with some caller ID services.

Turning on Caller ID

		Display:
1	**Press FUNCTION /FLASH once and ▼ once.**	DIRECT # ▶CALLER-ID ANALOG LINE
2	**Press ENTER.**	CALLER-ID YES ▶NO
3	**Press ▲ once to select YES.** **(To turn Caller ID off, select NO and go to Step 7.)**	CALLER-ID ▶YES NO
4	**Press ENTER.**	AREA CODE# MODE ▶SET CLEAR
5	**Press ENTER.**	AREA CODE# MODE CODE= ENTER 3 DIGITS
6	**Enter the 3 digits of your area code.**	
7	**Press ENTER.**	

How Caller ID operates

When you receive a call, the name of the caller will appear next to the line (A1 or D2) in the cordless phone display, beginning just before the second ring. The information will continue to be displayed until the line is disconnected.

- To display the number in addition to the name, press ENTER. (To return to the initial display, press ENTER again.)

  Display example:

- To answer the call, press any key (except OFF, ENTER, or SELECT LINE) at any time.

Note: Some caller ID services may not provide the name of the caller. In this case, only the phone number will appear.

Display messages

One of the following messages will appear while the cordless phone rings if caller information is not available.

NO SERVICE	No caller information was received from your telephone company. Make sure that the telephone company has activated your service.
CALLER-ID ERROR	Noise on the telephone line prevented reception of caller information.
OUT OF AREA	The call was made from an area which does not have a caller identification service, or the caller's service is not compatible with that of your local phone company.
PRIVATE CALL	Caller information was not provided by the telephone company at the caller's request.

Viewing your received calls

If you subscribe to a Caller ID service, the cordless phone will keep information on the most recent 30 calls you have received. You can view this information, which consists of the date and time the call was received and the name and number of the caller, in the cordless phone's display. You can automatically dial a number when it appears in the display.

- After you have received 30 calls, each new call will delete the oldest call.
- All calls will be erased if you unplug the base or a power failure occurs.

1 **Press REVIEW ◀.**

Display:

```
REVIEW DIAL
▲▼: REVIEW
HOLD: ALL ERASE
```

2 **Press ▲ or ▼ to scroll through the numbers in the list.**

- **Note:** Only the first 15 digits of each number are displayed. To display the 16th digit of a long number, press ENTER.

Display example:

```
APR-05 05:19 PM
JOHN DOE
        098-238-4683
```

3 **While viewing the list, you can do the following:**

- **Dial a number:** Make sure the desired line is selected, and then scroll to the number you wish to dial and press TALK.
- **Delete a number:** Scroll to the call you wish to erase, press ERASE HOLD, and then press ENTER.

4 **Press OFF when you have finished viewing the list.**

Erasing all of your received calls

Follow these steps to erase all of your received calls.

1	**Press** REVIEW ◀ .	Display: REVIEW DIAL ▲▼: REVIEW HOLD: ALL ERASE
2	**Press** ERASE HOLD .	REVIEW DIAL ERASE ALL? PRESS ENTER KEY
3	**Press** ENTER .	

- To cancel, press OFF .

4. Maintenance and Troubleshooting

Replacing the Cordless Phone Battery

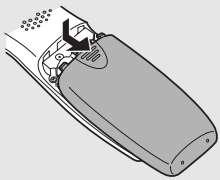
Like any other battery, the rechargeable battery will eventually wear out. The battery can normally be used for about two years, although this will vary depending on the conditions of use.

If you find that LOW BATTERY appears in the cordless phone display soon after the battery is charged, replace it with the following battery:

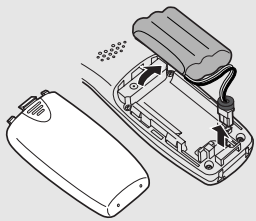
Replacement battery: Use only a **Sharp UX-BA01** battery
(3.6 V Ni-MH battery, capacity: 850 mAh)

Caution:
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.

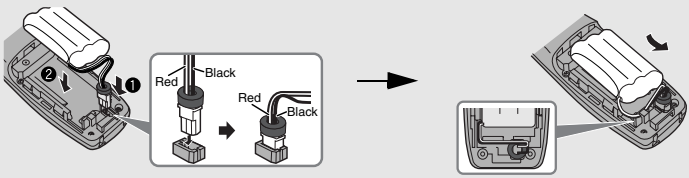
1 **Remove the battery cover by pressing on the indentation as shown.**



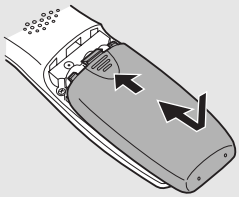
2 **Unplug the battery connector and remove the old battery.**



3 **Connect the battery connector (❶) of the new battery, and then place the battery in the cordless phone (❷), placing the wires as shown.**

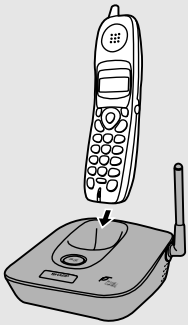


4 **Place the battery cover on the cordless phone, making sure it snaps firmly into place.**



5 **Place the cordless phone in the base with the dial pad facing forward.**

- Let the new battery charge for at least **10** hours.

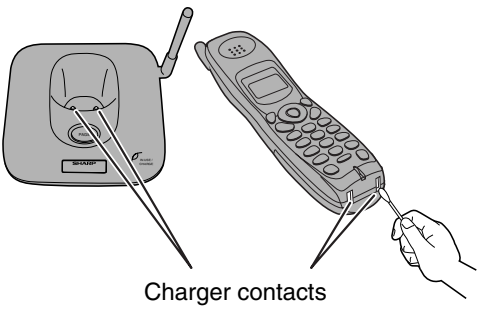


Battery disposal

The battery pack contains a Nickel Metal Hydride battery. The battery must be disposed of properly. Contact local agencies for information on recycling and disposal plans in your area.

Wiping the charger contacts

To ensure that the battery charges properly, wipe the charger contacts once a month with a cotton swab.



Charger contacts

Problems and Solutions

If you have any problems with your cordless phone, refer to the following troubleshooting guide.

Problem	Solution
The cordless phone does not operate and nothing appears in the display.	• Make sure the battery is properly connected inside the cordless phone (see page 11). • The battery may be low. Place the cordless phone in the base and let it charge.
Calls cannot be made or received.	• Make sure the base is plugged into a power outlet and has power. • Make sure the telephone line is properly connected to the base and the wall jack (see page 10). • The battery may be low. Place the cordless phone in the base and let it charge. • Calls cannot be made or received during a power failure. • You may be outside of the talking range. Move closer to the base.
Digital calls cannot be made or received (the digital line (D2) cannot be selected).	• Make sure your gateway is connected properly and the power is turned on. In addition, make sure your gateway settings are configured as explained in the gateway instruction sheet that accompanied the cordless phone. The problem may also be due to a temporary interruption or other failure in your digital phone service.
You hear beeps during a call.	• You will hear beeps during a call and LOW BATTERY will appear in the display if the battery is low. Place the cordless phone in the base and let it recharge. • You will hear beeps during a call and OUT OF RANGE will appear in the display if you are outside of the talking range. Move closer to the base.

The battery does not charge.	• Make sure the cordless phone is placed in the base with the dial pad facing forward. • Make sure the AC adapter is connected correctly to the base and the power outlet (see page 10). • Wipe the charger contacts with a cotton swab. • Make sure the battery is properly connected inside the cordless phone (see page 11). • The battery may need replacement (see page 32).
You hear noise or interference during a call.	• Make sure the base antenna is fully upright (see page 11). • Other electrical appliances may cause interference. Move away from any electrical appliances. • Move closer to the base. Note that large metal objects, metal structures, and thick walls between the base and cordless phone will reduce the talking range. If needed, try moving the base to a different location.

Display Messages

Note: If you have turned on the Caller ID function, see page 29 for display messages related to Caller ID.)

CHARGING	The cordless phone is in the base and the battery is charging.
HOLD	A call has been placed on hold by pressing the **HOLD** key. To resume the call, press the **HOLD** key again.
IN CHARGER	The cordless phone is in the base and is fully charged (the cordless phone can be left in the base without damaging the battery).
LOW BATTERY	The cordless phone battery is low. Place the cordless phone in the base and let it recharge. If this message continues to appear after recharging, the battery may need replacement (see page 32).
OUT OF RANGE	The cordless phone is outside of the talking range of the base. When talking on the cordless phone, the phone will beep and you may hear interference. Move closer to the base. This message will also appear if the base is not properly plugged into the power outlet.
PAGE	The **PAGE** key has been pressed on the base to locate the cordless phone. To stop the ringing and clear the **PAGE** message, press any key on the cordless phone, or press the **PAGE** key on the base again.
TALK	The **TALK** key has been pressed to make a phone call.

FCC Regulatory Information

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the rear of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the 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. See installation instructions for details. This equipment connects to the telephone network through a standard USOC RJ-11C network interface jack.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment, or for repair or warranty information, please contact Customer Assistance Center. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

This equipment may not be used on coin service provided by the telephone company. Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment ID does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

This equipment is hearing-aid compatible.

When programming and/or making test calls to emergency numbers:

- Remain on the line and briefly explain to the dispatcher the reason for the call.
- Perform such activities in the off-peak hours, such as early morning or late evening.

Quick Reference Guide

Making a phone call

1. Pick up the cordless phone, make sure the correct line is selected (press SELECT LINE to change the selection), and then press TALK.
2. When you hear the dial tone, dial the number.
3. When you are ready to end the call, press OFF.

Making a phone call using automatic dialing

1. Make sure the correct line is selected, and then press SEARCH.
2. Press ▲ or ▼ until the number you wish to dial is selected in the display.
3. Press TALK.

Receiving a phone call

1. When the cordless handset rings, pick it up and press any key (except OFF, ENTER, or SELECT LINE) to answer.
2. When you are ready to end the call, press TALK.

Storing auto dial numbers

1. Press SEARCH twice.
2. Enter the phone number.

   To clear a mistake, press ERASE HOLD.

   To insert a pause, press PAUSE REDIAL.
3. Press ENTER.
4. Enter a name by pressing the number keys as shown below.

   (To enter two letters in succession that require the same key, press ▶ after entering the first letter.)

SPACE = 1	G = 4	N = 6 6	U = 8 8
A = 2	H = 4 4	O = 6 6 6	V = 8 8 8
B = 2 2	I = 4 4 4	P = 7	W = 9
C = 2 2 2	J = 5	Q = 7 7	X = 9 9
D = 3	K = 5 5	R = 7 7 7	Y = 9 9 9
E = 3 3	L = 5 5 5	S = 7 7 7 7	Z = 9 9 9 9
F = 3 3 3	M = 6	T = 8	

5. Press ENTER.

Clearing auto dial numbers

1. Press SEARCH.
2. Press ▲ or ▼ until the number you wish to clear is selected in the display.
3. Press ENTER and ERASE HOLD.
4. Press ENTER.

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Sharp Plaza, Mahwah, New Jersey 07430-2135

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PRINTED IN JAPAN
(TINSE4281SCZZ)