

***EXHIBIT C***

***User Manual***

3114

**DB-8112—**  
**900MHz Analog Cordless Phone**  
**Operation Manual**

This telephone has been tested and found to comply with all applicable UL and FCC standards.

Your telephone operates on standard radio frequencies as allocated by the FCC. Even though the security access protection code prevents unauthorized use of your phone line, it is possible for other radio units operating on similar frequencies within a certain area to unintentionally intercept your conversations and/or cause interference. This lack of privacy can occur with any cordless phone.

- ◆ **IMPORTANT NOTE** : Cordless phones such as this one require AC power to operate. When the AC power is off, you can't dial out or receive incoming calls using your phone. To be safe, you should also have a phone that doesn't need AC power to operate(not a cordless phone)so you can still make and receive calls if there is an AC power failure.
- ◆ **WARNING** : To reduce the risk of fire or shock hazard, don't expose this product to rain or moisture.

**Content**

**1.Installation**

Selecting a Location

Attaching the Handset's Antenna

Placing the Base on a Desk Top

Mounting the Base on a Wall Plate

Connecting and Charging the Battery Pack

Setting the Dialing Mode

Turning the Ringer On/Off

**2.Making a Call**

**3.Receiving a Call : (Handset on the Base)**

**4.Receiving a Call : (Handset away from the Base)**

- 5. End a Call
- 6. Selecting the Channel
- 7. Using Mute
- 8. Setting the Handset's Volume
- 9. Using Redial
- 10. Using Flash
- 11. Using Tone Services on a Pulse line
- 12. Using Page
- 13. Memory Dialing
  - Store a number into memory
  - Dialing a stored number
  - Enter a pause
  - Chain-Dialing Service Number
- 14. Using a Headset
- 15. Troubleshooting
- 16. The FCC wants you to know

## **1. Installation :**

### ◆ **Selecting a Location :**

- Near an AC outlet
- Near a telephone line jack
- Out of the way of normal activities
- Away from electrical machinery, electrical appliances, metal walls or filling cabinets, wireless intercoms, alarms, and room monitors.
- Away from other cordless phones

### ◆ **Attaching the Handset's Antenna :**

- Insert the antenna into the hole on the top of the handset, then rotate the antenna clockwise until it is secure.

◆ **Placing the Base on a Desk Top :**

- Plug one end of the supplied long modular cord into the phone jack on the back of the base.
- Insert the supplied AC adapter's barrel plug into the **DC 12V** jack on the back of the base.
- Route the adapter's cord through the strain relief slot on the bottom of the base.
- Plug the modular cord's other end into a modular phone line jack.
- Plug the adapter into a standard AC outlet.
- Lift the base's antenna to a vertical position.

◆ **Mounting the Base on a Wall Plate :**

- Plug one end of the supplied short modular cord into the phone jack on the back of the base. Route the modular cord through the left slot on the bottom of the base.
- Insert the supplied AC adapter's barrel plug into the **DC 12V** jack on the back of the base. Route the adapter's cord through the right slot on the bottom of the base.
- Route the other end of the short modular cord through the center of the bracket.
- Insert the tabs on the narrow end of the bracket into the upper slots on the bottom of the base, then push the tabs on the wide end of the bracket into the lower slots on the bottom of the base.
- Plug the short modular cord into the wall plate jack, align the base's key-hole slots with the wall plate studs, and slide the base downward to secure it.
- Plug the adapter into a standard AC outlet.
- Lift the base's antenna to a vertical position.

◆ **Connecting and Charging the Battery Pack :**

This telephone comes with a rechargeable Nickel-Cadmium battery pack in the handset but not connected. Before using your phone, you must connect the battery pack and then charge it for about 24 hours.

- Press down and slide off the compartment cover as shown.
- Plug the battery pack's plastic connector into its socket. The connector fits only one way.
- Replace the cover.
- To charge the battery pack, simply place the handset on the base. The **CHARGE** indicator on the base lights.

◆ **NOTES :**

- If the CHARGE indicator doesn't light when you place the handset on the base, be sure the battery pack and AC adapter are correctly and securely connected.
- Also, check the charging contacts on the handset and the base. If the contacts are dirty or tarnished, clean them with a pencil eraser.
- When you first use the phone after charging or recharging the battery pack, the phone might not work and you might hear an error tone. If this happens, return the handset to the base for a few seconds.
- About once a month, fully discharge the battery pack by keeping the handset off the base until the **BATT LOW** indicator flashes. Otherwise, the battery pack loses its ability to fully recharge.
- If the **BATT LOW** indicator doesn't light but the phone doesn't work, recharge the battery pack. (The battery power might be too low to light the indicator)
- If the battery pack becomes weak during a call, the **BATT LOW** indicator flashes and you hear three beeps every 30 seconds. Recharge the battery pack.
- If the battery pack gets completely discharged or the base loses power while the handset is away from it, the security access-protection code needs to be reset. To reset the security code, place the handset on the base. If it was the handset that lost power, leave the handset on the base to charge the battery pack.
- The supplied battery pack should last for about a year. When the battery pack loses its ability to fully recharge, order a replacement battery pack from the store which you bought the phone.

◆ **Setting the Dialing Mode :**

Set **T/P** on the back of the base for the type of service you have. If you aren't sure which type you have, once the battery is charged, do this test.

- Set **T/P** to **T**.
- Lift the handset, press **TALK**, and listen for the dial tone.
- Press any number other than 0.
- If the dial tone stops, you have touch-tone service. Leave **T/P** set to **T**.
- If the dial tone continues, you have pulse service. Set **T/P** to **P**.

◆ **Turning the Ringer On/Off :**

You can turn your telephone's ringer on and off. Set **RINGER** on the side of the handset to **ON** to hear an incoming call or a page from the base. Set **RINGER** to **OFF** to silence the ringer.

## 2. Making a Call :

- ◆ To make a call, simply lift the handset.
- ◆ Press **TALK** (**TALK** LED on the handset and **IN USE** LED on the base light)
- ◆ When you hear the dial tone, dial the desired phone number.

## 3. Receiving a Call : (Handset on the Base)

- ◆ To answer a call, simply lift the handset (**TALK** LED on the handset and **IN USE** LED on the base light) and begin your conversation.

## 4. Receiving a Call : (Handset away from the Base)

- ◆ To answer a call, simply lift the handset.
- ◆ Press **TALK** (**TALK** LED on the handset and **IN USE** LED on the base light) and begin your conversation.

## 5. End a Call :

- ◆ To end a call, just press **TALK** (**TALK** LED on the handset and **IN USE** LED on the base turn off) or
- ◆ Place handset on the base (**TALK** LED on the handset and **IN USE** LED on the base turn off)

## 6. Selecting the Channel :

The telephone scans 20 channels and automatically selects a clean channel each time you make or receive a call.

- ◆ Press **CHAN** during a call, if you hear other voice or noise.
- ◆ The telephone selects a different channel automatically. (**TALK** LED on the handset blinks).

## 7. Using Mute :

The MUTE button on the handset lets you talk to someone else in the room without the person on the other end of the phone line hearing your conversation.

- ◆ Press **MUTE** during a call to enter mute mode (**MUTE** LED lights).
- ◆ Press **MUTE** again to release (**MUTE** LED turns off).

## 8. Setting the Handset's Volume :

- ◆ Press **TALK** (**TALK** LED on the handset and **IN USE** LED on the base light)
- ◆ Press **VOLUME ▲** or **VOLUME ▼** during a call to increase the volume level (3 levels) or to decrease it.
- ◆ **NOTE** : Every time you press **VOLUME ▲** or **VOLUME ▼**, the telephone beeps, except when it is already at the loudest or softest volume level.

## 9. Using Redial :

- ◆ Lift Handset
- ◆ Press **TALK** (**TALK** LED on the Handset and **IN USE** LED on the Base light)
- ◆ Press **REDIAL**
- ◆ The phone will dial last called number automatically.
- ◆ **NOTE** : The redial memory doesn't store a flash entry or any digits you press after **FLASH**. (see "Using Flash")

## 10. Using Flash :

**FLASH** performs the electronic equivalent of a switch-hook operation for special services, such as Call Waiting.

- ◆ If the Call Waiting service is available. When the Call Waiting call is coming, press **FLASH** to answer the incoming call without disconnecting the current call
- ◆ Press **FLASH** again to return to previous call

## 11. Using Tone Services on a Pulse line :

Some special services, such as bank-by-bank, require tone signals. If you have pulse service, you can still use these special tone services by following steps.

- ◆ Dial the service's number.(Make sure T/P is set to P)
- ◆ Press **\*** when the service answer.

## 12. Using Page :

To page the person who has the handset or to locate the handset when the phone is not in use.

- ◆ Press **PAGE**
- ◆ The Handset beeps 3 times
- ◆ Press **PAGE** for 2~3 seconds
- ◆ Handset beeps for 3 minutes (Press **TALK** twice or **PAGE** to stop).

## 13. Memory Dialing :

You can store up to 9 numbers in memory, then dial a stored number by pressing a one-digit memory location number.

- ◆ **Store a number into memory :**
  - Press **MEM**(The **TALK** LED blinks)
  - Enter number and pause
  - Press **MEM**
  - Enter memory location(1~9)
  - The Handset beeps, it means the number is stored into memory location
- ◆ **Dialing a stored number :**
  - Press **TALK**(**TALK** LED on the handset and **IN USE** LED on the base light)
  - Press memory location(1~9)
  - The stored number dial .



◆ **Enter a pause :**

In some telephone systems, you must dial an access code(9, for example) and wait for a second dial tone before you can dial an outside number. You can store an access code with the phone number. However, you should also store a pause after the access code to allow the outside line time to connect.

- Press **MEM**(The **TALK** LED blinks)
- Enter 0 or 9(Depend on your telephone system)
- Press **REDIAL/PAUSE**
- Enter telephone number
- Press **MEM**
- Enter memory location(1~9)
- The handset beeps, it means the number is stored into memory location

◆ **Chain-Dialing Service Number :**

For quick recall of numbers for special services(such as alternate long distance or bank by phone), store each group of numbers in its own memory location.

- Dial the service's number.
- Press **MEM**
- Enter the memory location where the additional information is stored.

**14. Using a Headset :**

You can make or receive calls with hands-free convenience using an optional headset that has a 3/32-inch(2.5mm) plug.

- ◆ Insert the headset's plug into the headset jack on top of handset.
- ◆ Using headset to make or receive a call



**15. Troubleshooting :**

Problem	Suggestion
Low volume or unusual sounds.	1. Someone has picked up another phone on the same line. Hang up the other phone.
Severe noise interference.	1. Press CHANNEL to change the channel. 2. Keep the handset away from computer, remote control toys, wireless microphones, alarm systems, intercoms, room monitors, fluorescent lights, and electrical appliances. 3. Move to another location or turn off the source of interference.
The phone can't be operated at a useful distance from the base because the signal becomes weak or noisy (the handset's range has decreased).	1. Lift the base's antenna to a fully vertical position. 2. Be sure neither the handset's or base's antenna is touching a metal surface. 3. Return the handset to the base to recharge the battery pack.
The handset battery doesn't charge.	1. Check the charging contacts on the handset and base. If they are dirty, clean them with a pencil eraser. 2. Be sure the battery pack is connected correctly,

Handset doesn't ring or receive a page.	<ol style="list-style-type: none"> <li>1. Return the handset to the base to recharge the battery pack.</li> <li>2. Lift the base's antenna to a fully vertical position.</li> <li>3. Move the handset closer to the base.</li> <li>4. Move the base away from other electrical devices.</li> </ol>
The phone doesn't work or works poorly.	<ol style="list-style-type: none"> <li>1. Be sure the base's phone line cord and AC adapter are correctly and securely connected, and the handset's battery pack is charged.</li> </ol>
The handset stops working or works poorly during a call.	<ol style="list-style-type: none"> <li>1. Move the handset closer to the base.</li> <li>2. Be sure the handset's battery pack is charged. (If the battery pack power is too low, it doesn't have enough power to light the <b>BATT LOW</b> indicator)</li> <li>3. Lift the base's antenna to a fully vertical position.</li> <li>4. Make sure the charging contacts on the handset and base are clean.</li> <li>5. If the base lost power while the handset was off of it, the security access-protection code might have changed. With the handset removed from the base, restore power to the base, then place the handset back on the base. The <b>CHARGE</b> indicator lights, indicating that the code is set again.</li> </ol>

### 16. The FCC wants you to know :

In the unlikely event that your phone causes problems on the phone line, the phone company can temporarily discontinue your service. If this happens, the phone company attempts to notify you in advance. If advance notice is not practical, the phone company notifies you as soon as possible and advises you of your right to file a complaint with the FCC.

Also, the phone company can make changes to its lines, equipment, operations, or procedure that could affect the operation of this telephone. The telephone company notifies you of these changes in advance, so you can take the necessary steps to prevent interruption of your telephone service.

Your phone might cause TV or radio interference even when it is operating properly. To determine whether your phone is causing the interference, turn off your phone. If the interference goes away, your phone is causing the interference. Try to eliminate the interference by :

- ◆ Moving your phone away from the receiver.
- ◆ Connecting your phone to an AC outlet that is on a different electrical circuit from the receiver.
- ◆ Contacting your local store where you bought your telephone for help.

If you can't eliminate the interference, the FCC requires that you stop using your phone.

Some cordless telephones operate on frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR.

INFORMATION TO THE USER

\*\*\*\*\*

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.

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 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.

This booklet is available from the US government Printing Office  
\*washington, DC 20402, Stock NO. 004-000-00345-4.

**CAUTION:** Any changes of modifications not expressly approved by the grantee of this device could void the users authority to operate the equipment.

Cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs; to minimize or prevent such interference, the base of the cordless telephone should not be placed near of a TV or VCR; and, if interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.