

**IMPORTANT SERVICE INFORMATION**

Read this manual before attempting to setup or use this instrument. It contains important information regarding safe installation and use. Keep this manual for future reference. Also save the carton, packing and proof of purchase to simplify and accelerate any needed action. If you need assistance or service, call (800) 888-8990 between 8:00 a.m. and 4:30 p.m. Pacific Standard Time, Monday through Friday. You can also visit our web site at: <http://www.nwbphones.com> for technical support and information on our other products.

**⚠ WARNING**

To prevent fire or shock hazard, do not expose this product to rain or any type of excess moisture. If accidentally dropped into water, the AC adaptor should immediately be unplugged from the wall along with the telephone line cord.



**THIS SYMBOL IS INTENDED TO ALERT THE USER OF  
THE PRESENCE OF IMPORTANT OPERATING AND  
MAINTENANCE (SERVICING) INSTRUCTIONS IN THE  
OWNER'S MANUAL.**

***EXCURSION® 36882***

**CARTON CONTENTS**

- Excursion® 36882 Base and Handset
- Rechargeable Ni-Cd Battery Pack
- Telephone Line Cord (Short and Long)
- AC Adaptor (9VDC, 350 mA, Center Positive)
- User's Manual
- Warranty Card
- Accessory Order Form
- Wall Mount Screws and Hardware

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## SAVE THESE INSTRUCTIONS

**⚠ IMPORTANT SAFETY INSTRUCTIONS**

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water, for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation, to protect it from overheating. These openings should never be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not locate this product where people will step on the cord.
9. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
11. To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified service contractor when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - A. When the power supply cord or plug is damaged or frayed.
  - B. If liquid has been spilled into the product.
  - C. If the product has been exposed to rain or water.
  - D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustments of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
  - E. If the product has been dropped or the cabinet has been damaged.
  - F. If the product exhibits a distinctive change in performance.

13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
14. Do not use the telephone to report a gas leak in the vicinity of the leak.

**SAVE THESE INSTRUCTIONS**

**⚠ INSTALLATION PRECAUTIONS**

1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

**⚠ MAINTENANCE**

1. Use a damp cloth to clean the plastic cabinet. A mild soap will help to remove grease or oil. Never use polish, solvents, abrasives or strong detergents since these can damage the finish.
2. Your phone should be situated away from heat sources such as radiators, heaters, stoves or any other appliance that produces heat.

**BATTERY CAUTIONARY INSTRUCTION**

**CAUTION:** Danger of explosion if Battery Pack is incorrectly replaced. Replace only with the same or equivalent type by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

1. Use only the battery pack type provided with the unit.
2. Do not dispose of the battery in a fire. The cell may explode. Check with local

- codes for possible special disposal instructions.
3. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling the battery in order not to short the battery with conducting material such as rings, bracelets and keys. The battery or conductor may overheat and cause burns.
5. Recharge only the battery provided with or identified for use with this product. The battery may leak corrosive electrolyte or explode if it is not the correct type.
6. Do not attempt to rejuvenate the battery provided with or identified for use with this product by heating them. Sudden release of the battery electrolyte may occur causing burns or irritation to eyes or skin.
7. When inserting the battery into this product, the proper polarity or direction must be observed. Reverse insertion of batteries can cause charging that may result in leakage or explosion.
8. Do not store this product, or the battery provided with or identified for use with this product, in high-temperature areas. Batteries that are stored in a freezer or refrigerator for the purpose of extending shelf life should be stabilized at room temperature prior to use after cold storage.
9. Disconnect telephone lines before installing batteries.

**⚠ FCC NOTICE**

The FCC requires that you be advised of certain requirements involving the use of this telephone.

1. This equipment complies with Part 68 of the FCC rules. A label on the BASE UNIT of this equipment

contains, among other information, the ACTA product number and the Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.

2. The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the RENs of all devices should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.
3. If your telephone causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice is not practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC.
4. Your telephone company may make changes to its facilities, equipment, operations or procedures that could affect the proper operation of your equipment. If they do, you will be given advance notice so as to give you an opportunity to maintain uninterrupted service.
5. If you experience trouble with the telephone, please contact Northwestern Bell Phones for repair/warranty information. The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure that the equipment is not malfunctioning.
6. This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information.)

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 insured when using this phone.

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

Some cordless phones operate at frequencies that may cause interference to nearby TVs and VCRs; to minimize or prevent such interference, the base of the cordless phone should not be placed near or on top 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.

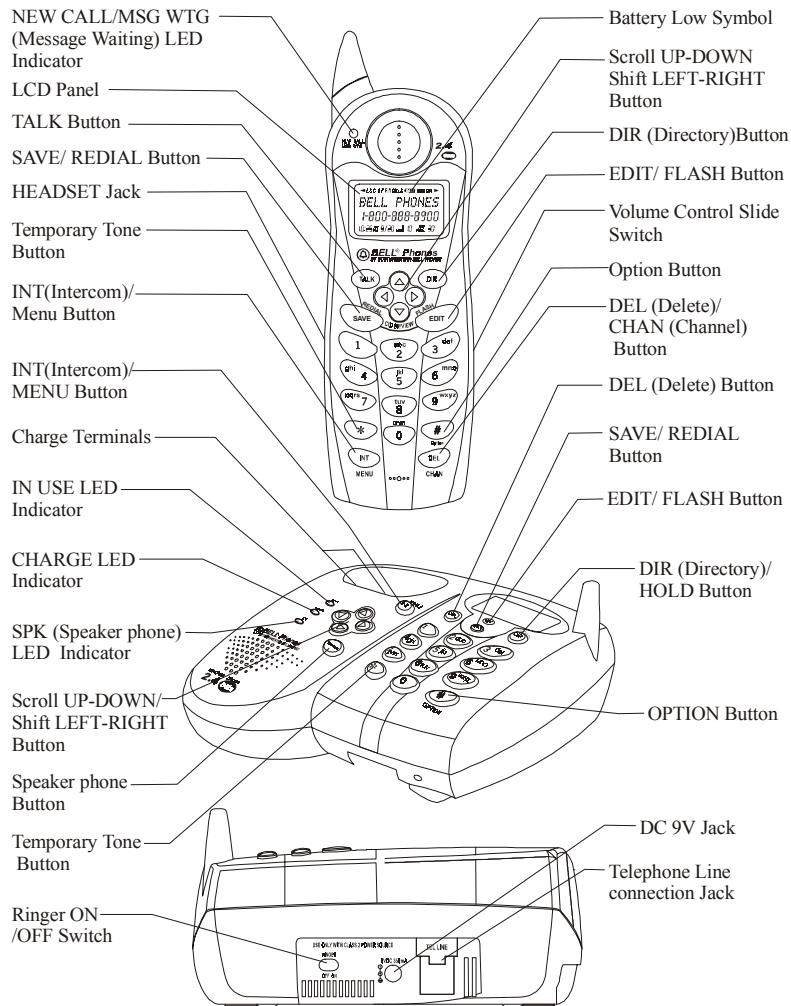


AC ADAPTOR: Use only with Class 2 Power Source, 9VDC output, 350mA.

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.

**EXCURSION® 36882 CONTROLS DIAGRAM**



## **CALLER ID Q&A**

Caller ID devices allow you to take advantage of the Caller Identification Delivery service offered by your local telephone company. For more information, you can refer to the following Questions and Answers table:

<b>Questions</b>	<b>Answers</b>
<b>What is Caller ID?</b>	A Caller ID is a device that identifies the calling party before you answer a call. This device can be used to screen unwanted calls and eliminate harassment from annoying calls.
<b>How does Caller ID work?</b>	When used with Caller ID service, the Caller ID device displays the name (if available), and the phone number (if available) of the person calling before you pick up your telephone.
<b>Who provides Caller ID service?</b>	Your local telephone company. However, not all local telephone companies provide Caller ID service. Please call your local phone company to confirm that the service is available before you install the Caller ID.
<b>How can I activate my Caller ID?</b>	For your Caller ID unit to function, you must first arrange with your local telephone company to have Caller ID service installed on your line. There is an extra charge added to your monthly telephone bill for this service. Before using your Caller ID device, please read this instruction manual carefully.

## **DESCRIPTIONS**

### *Handset Controls:*

#### **NEW CALL/MSG WAITING LED**

**Indicator** - (NEW CALL) Blinks in RED color to indicate that you have a new Caller ID call stored in memory. (MESSAGE WAITING) Blinks in GREEN color when you are receiving a Message Waiting signal, if you have subscribed to Voice Mail message service from your local telephone company.

**LCD Panel** - Shows caller information, phone status, prompts and directory (PHONE BOOK) items.

**TALK Button** - Press to answer an incoming call or to place a call. Press to end a call.

**SAVE/REDIAL Button** - (SAVE) Press and hold to save the changes on the listed items. (REDIAL) Press to redial the last number you dialed. (You will need the SAVE/REDIAL button to dial numbers that use an alternative Long Distance Access Code.)

**Headset Jack** - For connecting your headset plug to enjoy hands-free communication.

**Temporary Tone (\*) Button** - Press to temporarily change the dialing mode from PULSE to TONE for rotary service users. (Press once before entering numbers to access the electronic banking services, etc.)

**INT (Intercom)/ MENU Button** - (INTERCOM) Press to initiate an intercom connection between the handset and the base unit. (MENU) Press to access the special functions operation in STANDBY mode.

**Battery LOW Symbol** - Appears on the LCD Panel when the battery charge is low.

**SCROLL UP-DOWN, SHIFT LEFT- RIGHT Buttons** (SCROLL UP-DOWN) - Allows you to scroll through the stored list

of incoming calls and function menus.

(SHIFT LEFT-RIGHT) - Used for moving to the next character / digit when entering information during EDIT mode.

**DIR (Directory) Button** - Press to access names and numbers stored in the Directory (PHONE BOOK).

**EDIT/FLASH Button** - (EDIT) Press to edit listed items. (FLASH) Press to answer a call if you have a Call Waiting.

**Volume Control (HI, MID, LOW) Slide Switch** - Select the receiver volume level (HI, MID, LOW).

**#/OPTION Button** - (OPTION) Press to change the displayed telephone number into 7, 10, or 11 digit DIALING mode during Caller ID callback.

**DEL (Delete)/ CHAN (Channel) Button** - (DELETE) Press and hold down to delete items or individual characters.

(CHANNEL) Press to change the operating channel when you hear interference.

### *Base Controls:*

**INT (Intercom)/ MENU Button** - Press to initiate an intercom conversation between the base unit and the handset. It is also used to page the handset if you misplaced the handset.

**Base Unit Charge Terminals** - For charging the handset battery pack. For best performance, clean the charge terminals periodically with a damp cloth.

**IN USE LED Indicator** - Lights up to indicate that the handset is in the TALK mode.

**CHARGE LED Indicator** - Lights up when the handset is on the base unit for charging.

**SPK ( Speakerphone) LED Indicator** - Blinks rapidly when you initiate an intercom call or if an intercom call is

received. Lights up when the Speakerphone function is in use.

**SCROLL UP-DOWN, SHIFT LEFT-RIGHT Buttons** (SCROLL UP-DOWN) - Allows you to scroll through the stored list of incoming calls and function menus. (SHIFT LEFT-RIGHT) - Used for moving to the next character / digit when entering information during EDIT mode.

**Speaker phone Button** - Press to place a call and receive a call without using the handset.

**Base Unit Temporary Tone (\*) Button** - Press to temporarily change the dialing mode from PULSE to TONE for rotary service users. (Press once before entering numbers to access the answering system or electronic banking services, etc.)

**Ringer ON/OFF Switch** - For normal use, set switch to ON. To disable the ringer on the base unit, set switch to OFF position.

**DEL (Delete) Button** - Press and hold down to delete items or individual characters.

**SAVE/ REDIAL Button** - (SAVE) Press and hold to save the changes on the listed items. (REDIAL) Press to redial the last number you dialed. (You will need the SAVE/REDIAL button to dial numbers that use an alternative Long Distance Access Code.)

**EDIT/FLASH Button** - (EDIT) Press to edit listed items. (FLASH) Press to answer a call if you have a Call Waiting.

**DIR (Directory)/ HOLD Button** - (DIRECTORY) Press to access names and numbers stored in the Directory (PHONE BOOK). (HOLD) Press to put the call on hold.

**#/OPTION Button** - (OPTION) Press to change the displayed telephone number into 7, 10, or 11 digit DIALING mode during Caller ID callback.

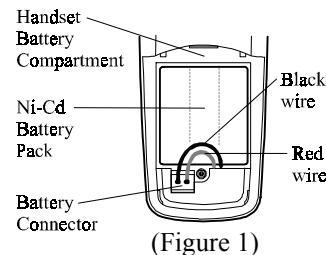
**TEL (TELEPHONE) LINE Jack** - An RJ-11 connector where one end of the telephone line cord connects.

## INSTALLATION

**CAUTION: USE ONLY THE NICKEL CADMIUM (Ni-Cd) BATTERY TYPE INCLUDED WITH THIS UNIT. USE OF OTHER BATTERY TYPES MAY CAUSE INJURIES OR DAMAGE.**

### **Battery Installation**

1. Remove the battery compartment cover of the handset by pressing the top of the cover and sliding it down.
2. Connect the Ni-Cd battery pack plug along the slot into the handset's battery connector as shown below.

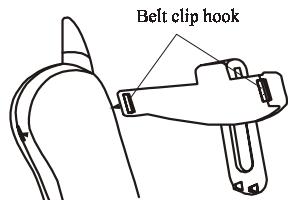


3. Insert the Ni-Cd battery pack into the battery compartment. The LCD panel will turn on in standby mode.
4. Replace the battery compartment cover by sliding it up towards the handset.

**NOTE:** Use the type and size of Ni-Cd battery pack, 3.6V, 600mA. It is recommended that the Ni-Cd battery pack should be fully charged overnight prior to initial use.

### **Belt Clip Installation**

With the back of handset facing up, insert one side of the belt clip hook into the matching slots at the top side of the handset as shown in Figure 2. Slide the other hook until it locks into place from the opposite side of the handset.



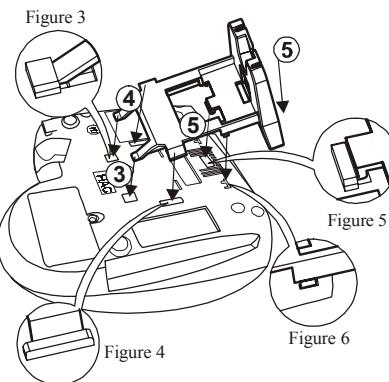
(Figure 2)

#### Wall Mounting (With a standard AT&T or GTE modular wall jack)

You may choose to install the Telephone base unit onto a wall.

##### Wall Mounting (Standard Wall Jack)

1. Connect the short telephone line cord to the telephone line jack on the rear of the base unit.
2. Insert the free end of the short line cord through the hole of the mounting bracket.
3. Insert the hooks of the mounting bracket into the matching slots on the back of the unit as shown in Figure 3.

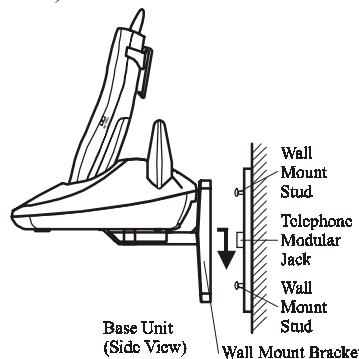


4. Press the two locks located on the side of the mounting bracket until the locking hooks snap into the inner slots of the base unit as shown in Figure 4.
5. Press the middle locking hook of the mounting bracket while pushing the back of the mounting bracket until it snaps to lock as shown in Figure 5.

**NOTE:** Ensure that the lock guide stays in place on the hole provided on the base unit as shown in Figure 6.

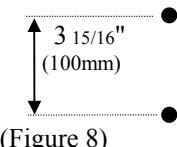
6. Plug the free end of the short line cord into the modular wall jack.
7. Align the upper keyhole on the mounting bracket with the upper stud of the wall plate, so that the opening end of the mounting bracket matches the lower stud, pull the mounting bracket down until it is securely seated.

(Figure 7)



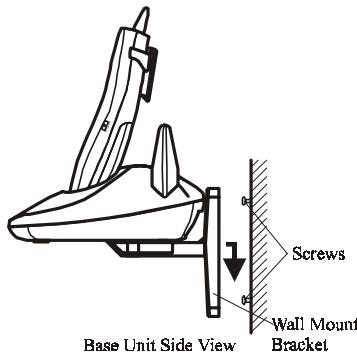
##### Wall Mounting (No Standard Wall Jack)

1. Drill two holes with a vertical distance between the two marked positions of  $3\frac{15}{16}$ " (100mm) as shown in Figure 8.



2. Drive a screw into each of the holes. Tighten them to the end of the screw lines, only leaving the smooth part of the screw head outside the wall.
3. Install the wall mount bracket into the base unit as previously discussed in Figures 3-6.
4. Hang the unit onto the screws, then slide it down firmly to fasten the base securely, as shown in Figure 9.

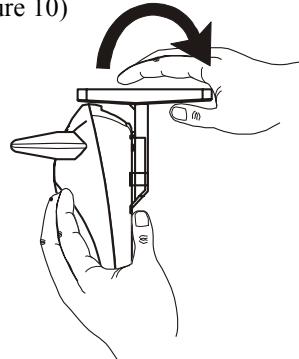
(Figure 9)



#### Uninstalling the Wall Mount Bracket

To remove the wall mount bracket from the base unit, pull it back as shown in Figure 10.

(Figure 10)



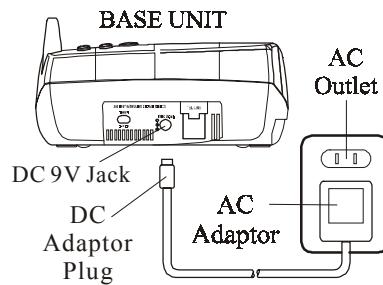
#### POWER CONNECTION

**CAUTION:** You must use a Class II, 120 Volt AC / 9 Volt DC adaptor that delivers at least 350 mA. The center tip must be positive and the plug must correctly fit the unit's DC 9V jack.

1. Plug the AC adaptor into a standard AC outlet.
2. Insert the small plug into the DC 9V jack on the rear of the base unit as shown in Figure 11.

(Figure 11)

11202A-1

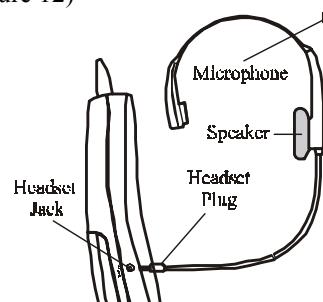


#### HEADSET CONNECTION

One of the special features of your phone is that your handset could utilize a headset (not included) for hands-free communication. Insert the small plug at the end of your headset cord to the headset jack at the side of the handset as shown in Figure 12. Follow the procedures discussed in "Placing a Call" and "Receiving a Call" when to place and receive a call.

**NOTE:** The headset jack of your cordless telephone is compatible with 2.5 mm headset plugs only. When you plug in the headset into the headset jack, it automatically mutes the microphone and speaker of the handset. Unplug the headset to return the handset to normal use.

(Figure 12)



#### INITIAL SETUP

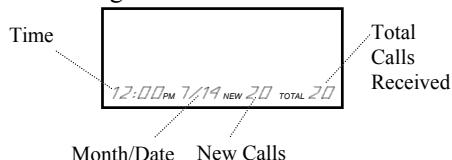
Please follow these steps before using the Excursion® 36882 for the first time.

1. Ensure that the handset battery pack is installed and charged fully for at least 12 hours.

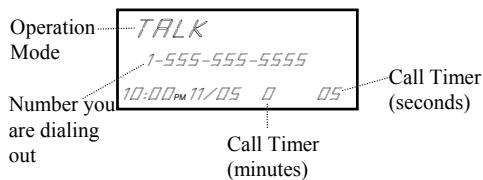
2. Ensure that all connections (line cord and adaptor cord) are properly inserted into the rear of the base unit.

## LCD INFORMATION

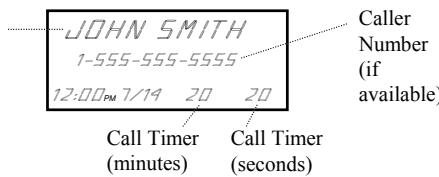
During idle / standby mode, the handset LCD panel will display information in the following format:



During active or TALK mode (after *placing* a call), the handset LCD panel will display the following:



During active or TALK mode (after *receiving* a call), the handset LCD panel will display the following:



**NOTE:** The time and date will be set automatically when the first Caller ID call is received. You can also manually set the time as described in "Setting the Time" of the "Functions Programming" section of this manual.

## TELEPHONE OPERATION

### To Place a Call

#### Using the Handset

1. Press the TALK button, the call timer starts to count.
2. Wait until you hear a dial tone and then dial the phone number.

3. When you have finished your call, press the TALK button again or place the handset on the base unit.

#### OR

1. Dial the phone number.
2. Press the TALK button. The number displayed will be dialed.
3. When you have finished with your call, press the TALK button again or place the handset on the base unit.

**NOTE:** Do not use this telephone within 20 ft. of a microwave oven while it is working, as you may experience interference. This is a normal occurrence with 2.4 GHz phones and should not be interpreted as a defect in the product.

#### Using the Base Unit

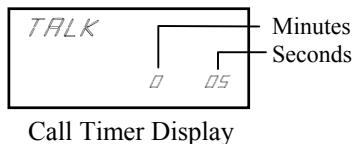
1. Press the SPEAKER button on the base unit. The Speakerphone LED indicator will light up.
2. Wait until you hear a dial tone, and then dial the number you wish to dial.
3. When you are finished talking, press the SPEAKER button to end the call.

### To Receive a Call

#### Using the Handset

1. When the phone rings, the LCD panel will show "RING." If you have Caller ID, the LCD panel will show the Caller ID information after the first ring.
2. With the handset off the base, press the TALK button. Start your conversation. The call timer starts to count.
3. To end your conversation, either press the TALK button or place the handset on the base unit. If you place the handset on the base unit charge cradle, you activate the automatic standby feature.

**NOTE:** The call timer will start to count once you press the TALK button.



### Using the Base Unit

1. When the phone rings, the base unit LCD Panel will show "RING". If you have Caller ID, the LCD Panel will show the Caller ID information after the first ring.
2. Press the SPEAKER Button
3. When you are finished with your conversation, press the SPEAKER button again.

*NOTE: When an incoming call is received and the base unit ringer switch is set to "OFF", the base unit will not ring but the IN USE LED indicator will blink rapidly. Set switch to "ON" for normal use.*

### Redial Feature

#### Using the Handset

1. If you get a busy tone, press the TALK button or place the handset on the base unit to hang up.
2. Later, press the TALK button again.
3. Listen for a dial tone.
4. Press the SAVE/REDIAL button. This will automatically redial the last telephone number you called.
5. When you have finished with your call, press the TALK button again or place the handset on the base unit.

#### Using the Base Unit

1. Press the SPEAKER button.
2. Listen for a dial tone.
3. Press the SAVE/REDIAL Button to automatically dial the last number you called.

*NOTE: The handset and base unit REDIAL functions are independent from each other.*

### Intercom Function

You can have a two-way conversation between the handset and base unit through the INTERCOM feature.

#### Activating the Intercom using the Base Unit

1. Press the INT/MENU Button on the base unit.
2. The handset emits rapid beep sound.
3. The handset user can respond by pressing the INT/MENU button and start conversation with the caller from the base. The base unit IN USE LED indicator will blink rapidly.

#### Activating the Intercom using the Handset

1. Press the INT/MENU Button on the handset.
2. The base unit emits a rapid beep sound.
3. The base unit user can respond by pressing the INT/MENU Button and start conversation with caller from the handset.

### To end the Intercom Mode

Press the INT/MENU Button on the handset or on base unit to end the conversation using the INTERCOM mode.

### Transferring Calls

This allows you to transfer a call from the handset to the base unit, or vice-versa.

#### Transferring Calls from the Handset to Base Unit

- During a phone conversation through the handset, press the INT/MENU button on the handset. The base unit emits a rapid beep sound and simultaneously the IN USE LED indicator blinks rapidly. If the base unit user does not respond, press the INT/MENU button again to return to the call.
- The base unit user can press the INT/MENU button to answer. An intercom link between the handset and

base unit is established and the call will be put on hold.

- If the base unit user does not want to access the telephone call while in INTERCOM mode, the user can press the INT/MENU button on the base unit to return the phone call to the handset user or the handset user can press the TALK or INT/MENU button to return to the call.
- To transfer the call, the base unit user must press the SPEAKER button. The handset user could stay on the line to join the phone conversation or he can press the TALK button on the handset to release the line to the base unit user.

*Note: when the handset user pages the base unit user for an intercom call, the base unit user can press the SPEAKER button to directly access the call and join a three-way conversation with the caller and the handset user.*

#### **Transferring Calls from Base Unit to Handset**

- During a phone conversation through the base unit in the SPEAKERPHONE mode and the handset is on the base cradle, picking up the handset automatically transfers the call from the base unit to the handset.
- If the handset is out of the base unit charge cradle, press the INT/MENU button on the base unit. The handset emits a rapid beep sound. If the handset user does not respond, press the INT/MENU button to return to the call.
- The handset user can press the INT/MENU button to answer. An intercom link between the base unit and the handset is established and the call will be put on hold. The base unit IN USE LED indicator will light up.
- To transfer the call, the handset user must press the TALK button. The base unit user could stay on the line to join the phone conversation or the user can press the SPEAKER button on the

base unit to release the line to the handset user.

*Note: When the base unit user pages the handset user for an intercom call, the handset user can press the TALK button to directly access the call and join a three-way conversation with the caller and the base unit user.*

#### **Multi-Channel Access**

Your cordless telephone lets you select a channel from the 50 frequencies available to transmit signals between the base unit and the handset. When you notice interference from other cordless telephones, change to another channel by pressing the DEL/CHAN button on the handset.

#### **Flash Function**

While in TALK mode, use the EDIT/FLASH button to access custom calling features such as Call Waiting or Three-Way Calling provided by your local phone company. Consult your local phone company for more details.

#### **Mixed Mode Dialing (Temporary Tone Dialing)**

If you only have pulse dialing available in your area, accessing special services (bank by phone, etc.) require a tone signal. While in TALK mode, press the TONE (\*) button to switch from Pulse to Tone dialing temporarily. Pulse dialing mode resumes when the call is ended.

#### **Low Battery Warning**

When the handset battery voltage level is low, the BATT LOW symbol on the handset LCD will start to blink and a beep sound will be heard every 12 seconds. Return the handset to its cradle on the base unit for charging.

#### **65,536 Combination Security Coding**

The telephone use a digital coding security system to prevent unauthorized use of your telephone line by other cordless phones nearby. The unit has 65,536 possible

security code combinations. Each combination of the code is randomly generated every time the handset is picked up.

#### Resetting Security Code and Channel

Communication between the handset and the base unit may not be possible in any of the following situations:

1. After a power failure.
2. After relocating the base unit by disconnecting the AC adaptor.
3. The handset goes out of range from the base unit.

To reset, place the handset on the cradle of the base unit for five seconds.

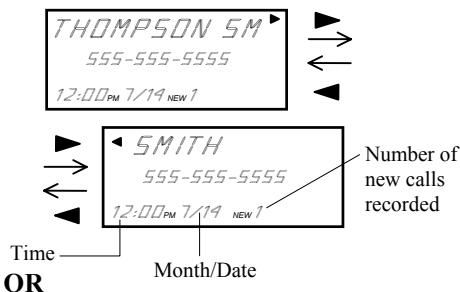
## **CALLER ID OPERATION**

This telephone automatically displays an incoming caller's name and telephone number together with the date and time of the call. It records up to 80 calls and stores the data in Memory.

**IMPORTANT:** *Subscription to Caller ID (CID) service from your local phone company is required for using the Caller ID features of the unit. Other optional services such as Message Waiting and Caller ID Call Waiting can be ordered from your local phone company.*

#### Viewing Caller Information during Incoming Calls

When there is an incoming call, the name and the telephone number of the caller will automatically appear after the first ring. Press the SHIFT RIGHT button to view a name of more than 11 characters.



**OR**

Caller's telephone number will appear if the caller's name is not available.

**OR**

"UNAVAILABLE" will appear when Caller ID information is not available. The origin of the incoming call does not support the Caller ID system (including international calls).



**OR**

"DATA ERROR" will appear when the Caller ID information was received incorrectly or only part of the data was received.

**NOTE:** When an error is received, none of the data from this call is saved in memory.



**OR**

"PRIVATE" will appear if the caller's name and/or telephone number is blocked.



**OR**

"MSG WAITING" will appear when a Voice Mail Message has been received and is stored by the Message Waiting service provided by the telephone company.



#### "MSG WAITING" (Message Waiting)

The Message Waiting LED indicator will blink green when there is a message for you from your telephone company if you have subscribed to Voice Mail message service and if you have requested Visual Message Indication from your local

telephone company. "MSG WAITING" will appear on the LCD panel in STANDBY mode. (To remove the MSG WAITING indicator, see page 22 for detail.)

**NOTE:** This function requires voice mail subscription from the local telephone company. Furthermore, the local phone company must provide a type of voice mail signaling called "FSK" (Frequency Shift Key). Not all telephone companies have the visual message waiting feature available. Please contact your local telephone company to check if this is available in your area.

#### Call Waiting

When you subscribe to Call Waiting service from your local telephone company, this telephone will display the name and number of the second caller while you are having a conversation with your first caller.

When a new call comes in while you are talking, you will hear a notification beep from the handset and the volume is momentarily muted. The new caller's name and phone number, if available, appears on the display.

1. When you receive a "Call Waiting" call and you want to connect the call, press the EDIT/FLASH button and start talking with the second caller. The active call will be placed on hold.
2. Press the EDIT/FLASH button to alternate between calls.
3. Press the TALK button or place the handset on the base unit to end the call.

#### "C - F" (Forwarded Call)

Appears on the upper left-hand side, when the incoming call has been assigned to your telephone number.

#### "L-D-C" (Long Distance)

Appears on the upper left-hand side, when the incoming call is a long distance call and the service is provided by your local telephone company.

#### Caller List

This phone automatically stores the last 80 calls received. It records call information such as caller's name and telephone number together with the date and time of the call. The NEW CALL LED indicator will blink red to indicate that you have a new Caller ID call stored in memory.



No. of new calls.  
Maximum calls = 80

#### Viewing the Caller List

1. With the handset in STANDBY mode, press the SCROLL UP or DOWN button.
2. Any unviewed (new) calls will be displayed first. The most recent call will be displayed. The information on the call will be displayed with the name, number, date, and time that the call was received.
3. To scroll to the next call, press the SCROLL UP or DOWN button. Pressing the SCROLL DOWN button will go through the calls from the last call received to the first Caller ID record. Pressing the SCROLL UP button will allow you to view the calls from the first call received to the last.
4. Press the SHIFT RIGHT button to view a name of more than 11 characters. If the number has more than 11 digits, the last 11 digits will be displayed first. Press the SHIFT RIGHT button to view the preceding numbers.
5. Press the DIR button to return to STANDBY mode.

#### Placing a Call from the Caller List

You can place a call from the Caller List by using the Caller ID CALLBACK feature.

1. Press the SCROLL UP or DOWN button to find the Caller ID record you wish to call back.
2. Press the #/OPTION button to change the displayed number to 7,10, or 11 digits. The first dialing option

displayed is the 11 digits for a long distance call.



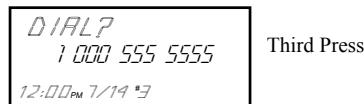
First Press

Press the #/OPTION button for the second time, the displayed number will change to 7 digits for a local call.



Second Press

Press the #/OPTION button for the third time, the displayed number will change to 10 digits for a local call with area code.



Third Press

3. Press the TALK button to dial the displayed number.
4. Press the DIR button to cancel dialing and return to STANDBY mode.
5. To end a call, press the TALK button or place the handset on the base unit.

## Saving the Name and Number in the Caller List into the Directory (PHONE BOOK)

1. Press the SCROLL UP or DOWN button to find the record you wish to store into the Directory (PHONE BOOK).
2. Press and hold the SAVE/REDIAL button.
3. The display will show "SAVED."



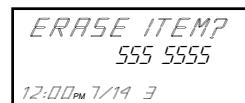
4. If you wish to edit the newly stored number, edit it in the Directory (PHONE BOOK).
5. Press the DIR button to return to STANDBY mode.

## Deleting Caller ID Records

When viewing the Caller ID information you can delete a single call record or all of the call records.

### Deleting a Single Record

1. Press the SCROLL UP or DOWN button to find the Caller ID record you wish to delete.
2. Press the DEL/CHAN button. The LCD panel will display "ERASE ITEM?"



3. To delete the record, press the DEL/CHAN button again. The LCD panel will display "ERASED."
4. Press the DIR button to exit the Caller ID list.

### Deleting All Records

1. Press the SCROLL UP or DOWN button.
2. Press and hold the DEL/CHAN button. The LCD panel will show "ERASE ALL?"



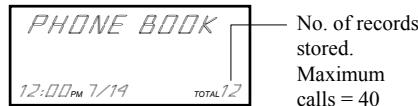
3. To delete all of the Caller ID records, press the DEL/CHAN button. The LCD panel will show "ALL ERASED" and then return to STANDBY mode.

## Name and Telephone Number Directory (PHONE BOOK)

This Directory (PHONE BOOK) lets you scroll through the list to find the record you need for one touch dialing. You can store up to 40 names and telephone numbers in the Memory.

### Viewing the Directory (PHONE BOOK)

1. Press the DIR button.



2. Press the TELEPHONE KEYPAD (2/ABC to 9/WXYZ) button that corresponds to the first letter of a Caller's name (a triple "beep" will sound if no entries are stored under those letters). Press the SCROLL UP or DOWN button to find the record you wish to view.
3. Press the SHIFT RIGHT button to view a name of more than 11 characters. If the number has more than 11 digits, the last 11 digits will be displayed first. Press the SHIFT RIGHT button to view the preceding numbers.
4. Press the DIR button to exit the Directory (PHONE BOOK), or the Directory (PHONE BOOK) will time out.

#### Storing Phone Numbers

1. With the handset in STANDBY mode, press the DIR button.
2. Press the EDIT/FLASH button to create a new Directory (PHONE BOOK) entry.
3. Enter the name you wish to store using the TELEPHONE KEYPAD (2/ABC to 9/WXYZ) buttons to enter the name, (see page 30 for detail) you can store up to 18 letters. To move the cursor to the right, create a space or to enter a new letter, press the SHIFT RIGHT button.
4. Press the SCROLL DOWN button, and enter the telephone number you wish to store using the TELEPHONE KEYPAD (1 to 0) buttons. You can store up to 22 digits. Briefly press the SAVE/REDIAL button to insert a pause into the number.
5. Press and hold the SAVE/REDIAL button to store the number into memory.

6. Press the DIR button to go back to STANDBY mode. (If no active buttons are pressed for 20 seconds, the LCD Screen will automatically return to STANDBY mode.)

#### NOTES:

- If there is no memory locations left in the speed dial Directory (PHONE BOOK) the LCD panel will display "MEMORY FULL." To continue with memory programming, you must delete or edit existing speed dial numbers.
- If you mis-type entering the phone number, you can move through the number and edit it by pressing the SHIFT RIGHT or LEFT button. To delete a character or number inside the cursor, press the DEL/CHAN button.

#### Placing Calls from the Directory (PHONE BOOK)

1. Press the DIR button.
2. Press the SCROLL UP or DOWN button to find the record you want to call.

#### OR

Press a TELEPHONE KEYPAD (2/ABC to 9/WXYZ) button that corresponds to the first letter of a name. Press the SCROLL UP or DOWN button to find the record you wish to call.

3. Press the #/OPTION button to change the displayed number to 7, 10, or 11 digits. The first dialing option displayed is the 11 digits for a long distance call.



Press the #/OPTION button for the second time, the displayed number will change to 7 digits for a local call.



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Press the #/OPTION button for the third time, the displayed number will change to 10 digits for a local call with area code.



Third Press

4. Press the TALK button to dial the displayed number.
5. To end the call, either press the TALK button or place the handset on the base unit.

### **Editing a Stored Name and Number in the Directory (PHONE BOOK)**

1. Press the DIR button.
2. Press the SCROLL UP or DOWN button to find the record you wish to edit.
3. Press the EDIT/FLASH button. The entry will display with a flashing prompt over the first character.
4. Move the cursor to the letter or number you wish to edit by pressing the SCROLL UP or DOWN, SHIFT LEFT or RIGHT buttons to move the cursor to the letter or number you want to change.
- To erase a character or digit, press the DEL/CHAN button.
- To add a letter or number, use the TELEPHONE KEYPAD (1 to 0) buttons. Characters or numbers will be inserted in front of the cursor (See page 30 for detail of entering a letter.)
5. When the entry is edited as you desire, press and hold the SAVE/REDIAL button to store the edited record.

### **Deleting a Stored Number in the Directory (PHONE BOOK)**

1. Press the DIR button.
2. Press the SCROLL UP or DOWN button to find the record you wish to delete.
3. Press the DEL/CHAN button. The LCD panel will display "ERASE ITEM?"



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4. To delete the record, press the DEL/CHAN button again.
5. Press the DIR button to return to STANDBY mode.

### **PREFERRED CALLS**

You can assign stored numbers a PREFERRED CALL status. When an incoming call is matched to a stored number designated as preferred, the phone will generate a special ringer sound after the Caller ID information is received. When you are saving the name and number into the Directory (PHONE BOOK), add "#" symbol at the beginning of the name by pressing the "#" button.

### **BLOCKED CALLS**

You can assign stored numbers a BLOCKED CALL status. When an incoming call is matched to a stored number designated as blocked, the phone will not ring after the Caller ID information is received. When you are saving the name and number in the Directory (PHONE BOOK), add an "\*" symbol at the beginning of the name by pressing the "\*" button.

## **FUNCTION PROGRAMMING**

This unit contains the following special functions. To access, press and hold the INT/Menu button at STANDBY mode, then press the TELEPHONE KEYPAD (1~0) or the SCROLL UP or DOWN button.

Settings can be accessed by pressing the corresponding TELEPHONE KEYPAD button. To edit a setting, press the EDIT/FLASH button, use the SCROLL UP or DOWN button to toggle between the setting options, and then press and hold the SAVE/REDIAL button to save the changes. Press the INT/MENU button to exit the functions menu.

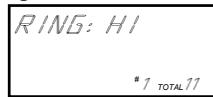
20

**NOTE:** When no active buttons are pressed for 20 seconds, the LCD Screen will automatically return to STANDBY mode.

**Function ①: Setting the RINGER VOLUME (HI, LOW, OFF)**

This function enables you to adjust the ringer volume from HI, LOW and OFF as desired.

1. Press and hold the INT/MENU button while in STANDBY mode.
2. Press the EDIT/FLASH button to change the setting. “HI” will begin flashing.



3. Press the SCROLL UP or DOWN button to toggle between HI, LOW, and OFF.
4. When the desired setting is displayed, press and hold the SAVE/REDIAL button to save the setting. A double “beep” will sound to confirm the setting has been saved.
5. Continue with programming or press the INT/MENU button to return to STANDBY mode.

**Function ②: Setting the LANGUAGE**

This telephone offers English (default), Spanish (ESPAÑOL), French (FRANCAIS) languages for your convenience.

1. Press and hold the INT/MENU button while in STANDBY mode.
2. Press the KEYPAD # 2 button to go to the Language programming option.



3. Press the EDIT/FLASH button to change the setting. “ENGLISH” will begin flashing.
4. Press the SCROLL UP or DOWN button to toggle between ENGLISH, ESPAÑOL, and FRANCAIS.
5. When the desired setting is displayed, press and hold the SAVE/REDIAL

button to save the setting. A double “beep” will sound to confirm the setting has been saved.

6. Continue with programming or press the INT/MENU button to return to STANDBY mode.

**Function ③: Setting the FIRST RING ON/OFF**

Turns the first ring of the phone OFF so that it does not ring until Caller ID information has been displayed.

Particularly useful when using the preferred and blocked call features or the private and unavailable ring settings.

1. Press and hold the INT/MENU button while in STANDBY mode.
2. Press the KEYPAD # 3 button to go to the First Ring programming option.



3. Press the EDIT/FLASH button to change the setting. “On” will begin flashing.
4. Press the SCROLL UP or DOWN button to toggle between ON and OFF.
5. When the desired setting is displayed, press and hold the SAVE/REDIAL button to save the setting. A double “beep” will sound to confirm the setting has been saved.
6. Continue with programming or press the INT/MENU button to return to STANDBY mode.

**Function ④: Setting the TIME & DATE**

You can change the time and date as follows:

1. Press and hold the INT/MENU button while in STANDBY mode.
2. Press the KEYPAD # 4 button to go to the Time Set programming option.



3. Press the EDIT/FLASH button to change the setting. The month will begin flashing.
4. Press the TELEPHONE KEYPAD (1 to 0) button to enter the month. The date will begin flashing.
5. Press the TELEPHONE KEYPAD (1 to 0) button to enter the date. The hour will begin flashing.
6. Press the TELEPHONE KEYPAD (1 to 0) button to enter the hour. The minutes will begin flashing.
7. Press the TELEPHONE KEYPAD (1 to 0) button to enter the minutes. "AM" and "PM" will begin flashing.
8. Press TELEPHONE KEYPAD 1 button to choose AM or press TELEPHONE KEYPAD 2 button to choose PM.
9. When the desired setting is displayed, press and hold the SAVE/REDIAL button to save the setting. A double "beep" will sound to confirm the setting has been saved.
10. Continue with programming or press the INT/MENU button to return to STANDBY mode.

**Function ⑤: Setting the AREA CODE**

This unit does not require any programming of an Area Code. However, this option could be used to add the local Area Code to numbers that were stored as 7-digits in the phone book and 10-digit dialing is required in the local calling area.

1. Press and hold the INT/MENU button while in STANDBY mode.
2. Press the KEYPAD 5 button to go to the Area Code programming option.

AREA CODE  
---  
\*11 total 11

3. Press the EDIT/FLASH button to change the setting. "---" will begin flashing.
4. Press the TELEPHONE KEYPAD (1 to 0) buttons to enter the three digit area code for your phone number.

5. When the desired setting is displayed, press and hold the SAVE/REDIAL button to save the setting. A double "beep" will sound to confirm the setting has been saved.
6. Press the INT/MENU button to return to STANDBY mode.

**Function ⑥: Setting the LCD**

**CONTRAST**

This unit enables you to select 8 brightness levels for the Large LCD screen

1. Press and hold the INT/MENU button while in STANDBY mode.
2. Press the KEYPAD # 6 button to go to the Contrast programming option.

CONTRAST  
2  
\* 5 total 11

3. Press the EDIT/FLASH button to change the setting. "2" will begin flashing.
4. Press the SCROLL UP or DOWN button to toggle from 1 to 8 levels of contrast.
5. When the desired setting is displayed, press and hold the SAVE/REDIAL button to save the setting. A double "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the INT/MENU button to return to STANDBY mode.

**Function ⑦: Setting the PBX**

**NUMBER**

Inserts if a "PBX Number" before an outgoing number is dialed. Select the number (0-9) which is required to access an outside line when using a switchboard system, and the phone will automatically dial the PBX number and a pause before any speed dial or Caller ID callback number. Factory setting is "OFF."

1. Press and hold the INT/MENU button while in STANDBY mode.
2. Press the KEYPAD # 7 button to go to the PBX Number programming option.

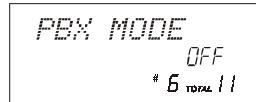
PBX NO.  
9  
\* 6 total 11

3. Press the EDIT/FLASH button to change the setting. “5” will begin flashing.
4. Press the SCROLL UP or DOWN button to customize the digit to match your PBX system. When not connected to a PBX, the phone will only function normally when set to “OFF.”
5. When the desired setting is displayed, press and hold the SAVE/REDIAL button to save the setting. A long “beep” will sound to confirm the setting has been saved.
6. Continue with programming or press the INT/MENU button to return to STANDBY mode.

#### **Function ⑧: Setting the PBX MODE**

This unit enables you to select the standard PBX Mode. Factory setting is “OFF”.

1. Press and hold the INT/MENU button while in STANDBY mode.
2. Press the KEYPAD # 8 button to go to the PBX Mode programming option.



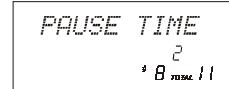
3. Press the EDIT/FLASH button to change the setting. “OFF” will begin flashing.
4. Press the SCROLL UP or DOWN button to select the desired PBX Mode.
5. When the desired setting is displayed, press and hold the SAVE/REDIAL button to save the setting. A double “beep” will sound to confirm the setting has been saved.
6. Continue with programming or press the INT/MENU button to return to STANDBY mode.

**NOTE:** You do not need a PBX mode unless you need to dial a specific single digit number before each outgoing call.

#### **Function ⑨: Setting the PAUSE TIME**

Changes the number of seconds that a pause lasts when using programmed pauses in your speed dial numbers or after your PBX number.

1. Press and hold the INT/MENU button while in STANDBY mode.
2. Press the KEYPAD # 9 button to go to the Pause Time programming option.



3. Press the EDIT/FLASH button to change the setting. “2” will begin flashing.
4. Press the SCROLL UP or DOWN button to select the desired time delay.
5. When the desired setting is displayed, press and hold the SAVE/REDIAL button to save the setting. A double “beep” will sound to confirm the setting has been saved.
6. Continue with programming or press the INT/MENU button to return to STANDBY mode.

#### **Function #: Setting the PRIVATE RING**

Turns on and off the ring for all calls where the caller has blocked their caller ID. Please note that the phone will ring once even when set to “OFF” unless First Ring is programmed to “OFF” as well.

1. Press and hold the INT/MENU button while in STANDBY mode.
2. Press the KEYPAD # button to go to the Private Ring programming option.



3. Press the EDIT/FLASH button to change the setting. “On” will begin flashing.
4. Press the SCROLL UP or DOWN button to toggle between On and OFF.
5. When the desired setting is displayed, press and hold the SAVE/REDIAL button to save the setting. A double “beep” will sound to confirm the setting has been saved.

“beep” will sound to confirm the setting has been saved.

- Continue with programming or press the INT/MENU button to return to STANDBY mode.

**Function ①: Setting the MSG (Message) WAITING**

*Clears any current message waiting indication.*

- Press and hold the INT/MENU button while in STANDBY mode.
- Press the KEYPAD # 0 button to go to the Message Waiting programming option.

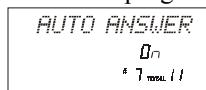


- Press the EDIT/FLASH button to reset the Message Waiting Indication. “DELETE” will begin flashing.
- Press and hold the SAVE/REDIAL button to delete the indication. A double “beep” will sound to confirm the setting has been saved.
- Continue with programming or press the INT/MENU button to return to STANDBY mode.

**Function \*: Setting the Auto Answer**

Turn on and off the Auto Answer feature. When on, the phone will automatically answer an incoming call if the handset is lifted from the base cradle.

- Press and hold the INT/MENU button while in STANDBY mode.
- Press the KEYPAD \* button to go to the Auto Answer programming option.



- Press the EDIT/FLASH button to change the setting. “On” will begin flashing.
- Press the SCROLL UP or DOWN buttons to select the desired setting.
- When the desired setting is displayed, press and hold the SAVE/REDIAL

button to save the setting. A double “beep” will sound to confirm the setting has been saved.

- Press the INT/MENU button to return to STANDBY mode.

**NOTE:** To use the call back function, press the #/OPTION button and then select the 10-digit dialing mode. Press the TALK button and the unit will automatically dial the stored 7-digit number plus the area code.

## **TECHNICAL INFORMATION**

This cordless phone uses radio frequencies to allow mobility. There are certain difficulties in using radio frequencies with a cordless telephone. While these are normal, the following could affect the operation of your system.

**Noise:** Electric pulse noise is present in most homes at one time or another. This noise is most intense during electrical storms. Certain kinds of electric equipment such as light dimmers, fluorescent bulbs, motors, and fans also generate noise pulses. Because radio frequencies are susceptible to these noise pulses, you may occasionally hear them in your handset. Generally they are a minor annoyance and should not be interpreted as a defect in your system.

**Range:** Because radio frequencies are used, location of the base unit can affect operating range. Try several locations in your home or business and pick the one that gives you the clearest signal.

**Interference:** Some electronic devices operate in and/or generate interference near the operating frequencies of your cordless telephone. While several protection circuits are used to prevent unwanted signals, there may be periods when these unwanted signals cause interference. If interference occurs frequently, it can be minimized or eliminated by lowering the height of your

base antenna or by relocating the base unit. You can check for interference before selecting the final base unit location by plugging in the phone.

#### Improving Cordless Reception

Follow these guidelines to improve cordless sound quality:

- Select an area to install the unit where it is closest to the center of your home or office. This will improve the operating range of the unit.

- Keep the base unit away from electrical equipment. Radio Frequency Interference (RFI) is sometimes generated by these appliances, which can cause degradation in cordless reception.
- Keep the handset batteries charged as much as possible. Weak handset batteries can limit the range of cordless operation.

### CHARACTER ENTRY TABLE

If you are assigning names for stored phone numbers into memory, please follow the table below to determine the equivalent keypad keystrokes are needed for a certain character. Please refer to "Storing Phone Numbers into Memory" on how to store phone numbers.

KEYPAD BUTTON	CHARACTERS								
①	(space)	&	,	(	)	*	.	1	
②	A	B	C	2	A	B	C	2	
③	D	E	F	3	D	E	F	3	
④	G	H	I	4	G	H	I	4	
⑤	J	K	L	5	J	K	L	5	
⑥	M	N	O	6	M	N	O	6	
⑦	P	Q	R	S	7	P	Q	R	S
⑧	T	U	V	8	T	U	V	8	
⑨	W	X	Y	Z	9	W	X	Y	Z
*	*								
①	0								
#	#								

#### HOW TO USE THIS TABLE

1. Select the appropriate character to be entered from the CHARACTERS columns.
2. Find the corresponding KEYPAD BUTTON located on the same row.
3. Press the corresponding KEYPAD BUTTON several times (depending on which column where the selected character is located). For example: if the letter "C" was chosen, press KEYPAD # 2 three times until "C" appears on the LCD panel.

#### EXAMPLE:

If you want to enter "12 ACME &CO.", then the following keystrokes will be needed:

Character	Keypress Needed
1	Press ① eight times.
2	Press ② four times.
(space)	Press ① one time.

<b>A</b>	Press ② one time.
<b>C</b>	Press ② three times.
<b>M</b>	Press ⑥ one time.
<b>E</b>	Press ③ two times.
<b>&amp;</b>	Press ① two times.
<b>C</b>	Press ② three times.
<b>O</b>	Press ⑥ three times.
<b>.</b>	Press ① seven times.

*NOTE: If the character fall on the same keypad, press the SHIFT RIGHT button to move the cursor. For instance, A and C, press the KEYPAD 2 one time. Press the SHIFT RIGHT button to move the cursor then press the KEYPAD 2 three times.*

## **TROUBLESHOOTING**

<b>TELEPHONE UNIT TROUBLESHOOTING TABLE</b>	
<b>SYMPTOM</b>	<b>SOLUTION</b>
No dial tone	<ul style="list-style-type: none"> <li>Check for the telephone line cord connectors at both ends that they are pushed in firmly until they click.</li> <li>If you had a power failure or had unplugged the base unit, return the handset on the base unit for two to five seconds to reset the system.</li> </ul>
Does not ring	<ul style="list-style-type: none"> <li>Check to see if the programmable ringer volume is set to OFF. Refer to the “Function ①: Setting Ringer Volume” section of the manual.</li> <li>You may have exceeded the Ringer Equivalence Number (REN) limit of how many phones can be connected to the same line. The REN total of all devices (printed on the bottom label of each unit) should not exceed five (5). Disconnect the appropriate units to lower the REN total.</li> <li>Check to see if you have programmed a number to be a blocked call. Refer to the “BLOCKED CALLS” section of the manual.</li> </ul>
No power on the handset unit	<ul style="list-style-type: none"> <li>Check for the Ni-Cd battery pack connection inside the battery compartment on the handset.</li> <li>The handset rechargeable Ni-Cd battery pack may need charging.</li> </ul>
Does not charge	<ul style="list-style-type: none"> <li>Make sure the charging contacts on both the base unit and the handset is in contact during charging.</li> <li>The charging contacts may need cleaning with an alcohol-moistened cloth.</li> </ul>
Range is limited	<ul style="list-style-type: none"> <li>Raise or reposition the antenna on the base unit.</li> <li>Move the base unit so that it is centrally located in your residence or office and make sure that the base unit is not located near appliances.</li> <li>Refer to the “Technical Information” section regarding range.</li> </ul>
Calls received flutters or fades	<ul style="list-style-type: none"> <li>The handset rechargeable Ni-Cd battery pack may need charging.</li> </ul>
Interference on reception	<ul style="list-style-type: none"> <li>Choose an alternate channel using the DEL/CHAN button on the handset.</li> </ul>

<b>CALLER ID SYSTEM TROUBLESHOOTING TABLE</b>	
<b>SYMPTOM</b>	<b>SOLUTION</b>
The Caller ID LCD panel is blank	<ul style="list-style-type: none"><li>• Check the power connections.</li><li>• Check the telephone line cord connections.</li><li>• Check the batteries for proper installation.</li><li>• The handset LCD panel will only start displaying information after the first call is received.</li></ul>
The Caller ID LCD panel does not show the caller's name and/or phone number	<ul style="list-style-type: none"><li>• The Caller ID unit will not function until you have Caller ID service provided by your local phone company. Call your local phone company to have Caller ID installed on your telephone line.</li><li>• Check your telephone line connections. Make sure all connections are secure and connected.</li><li>• If you have a telephone answering device (TAD) connected with the unit, set the TAD to answer after two rings or more.</li><li>• If it is a blocked call or an out-of-area call, the caller's name and/or phone number will not appear on the display. Please refer to the "Receiving Caller ID Information" section for more details.</li><li>• If only the caller's phone number appears on the display, it may be a Single Data Message Format (SDMF) call, as opposed to a Multiple Data Message Format (MDMF) call.</li></ul>
Random characters and/or "DATA ERROR" appear on the LCD panel.	<ul style="list-style-type: none"><li>• On rare occasions, the Caller ID information sent by the telephone company may have an error in the transmission. This is not the fault of your Caller ID unit.</li></ul>
Cannot erase call records in memory	<ul style="list-style-type: none"><li>• The DEL/CHAN button must be pressed and held for at least two seconds.</li></ul>
Cannot get Call Waiting identification on the LCD panel.	<ul style="list-style-type: none"><li>• Subscription to Caller ID Call Waiting (CIDCW) is required from your local phone company for the CIDCW function to operate properly. Call your local phone company for details.</li></ul>

**AC ADAPTOR: USE ONLY WITH CLASS 2 POWER SOURCE,  
OUTPUT 9VDC, 350 mA.**



**THIS SYMBOL IS INTENDED TO ALERT THE USER OF THE  
PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE  
(SERVICING) INSTRUCTIONS IN THE OWNER'S MANUAL.**

