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### **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 adapter 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.

## **APH7923**

### **CARTON CONTENTS**

- APH7923 Base and Handset
- Rechargeable Ni-Cd Battery Pack
- Telephone Line Cord(Short and Long)
- AC Adaptor
- User's Manual
- Warranty Card
- 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 the cord will be abused by persons walking on it.
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.



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## **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.



### **CAUTION**

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instruction. read and follow these instructions:

1. Use only the 3.6V, 450mAh, Ni-Cd battery pack .
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

## **INDUSTRY CANADA CERTIFIED**

### **RINGER EQUIVALENCE NUMBER**

**NOTICE:** The Ringer equivalence number (REN) assigned to each terminal device provides an indication of maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the ringer equivalence numbers of all the devices does not exceed 5.



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#### INDUSTRY CANADA NOTICE

**NOTICE:** The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunication network protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company.

The equipment must also be installed using an approved method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

User should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly in rural areas.

**CAUTION:** User should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

#### SAVE THESE INSTRUCTIONS



#### FCC NOTICE

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

1. This telephone is hearing aid compatible.
2. This equipment complies with 47 CFR Part 68 requirement. On the bottom of this equipment is a label that contains, among other information, the ACTA registration number and Ringer Equivalence Number (REN) for this equipment. If requested, provide this information to your telephone company.
3. 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.
4. 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.
5. 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.
6. If you experience trouble with the telephone, please contact VTC Service & Manufacturing Co., Inc at (800) 888-8990 or write to: VTC Customer Service, 16988 Gale Ave., City of Industry, CA 91745 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.



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7. 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.)
8. USOC jack type is RJ11C and the compatible jack is part 68 compliance.

**NOTICE:** 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.

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

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

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is needed.
- Consult the dealer or an experienced radio/TV technician for help.



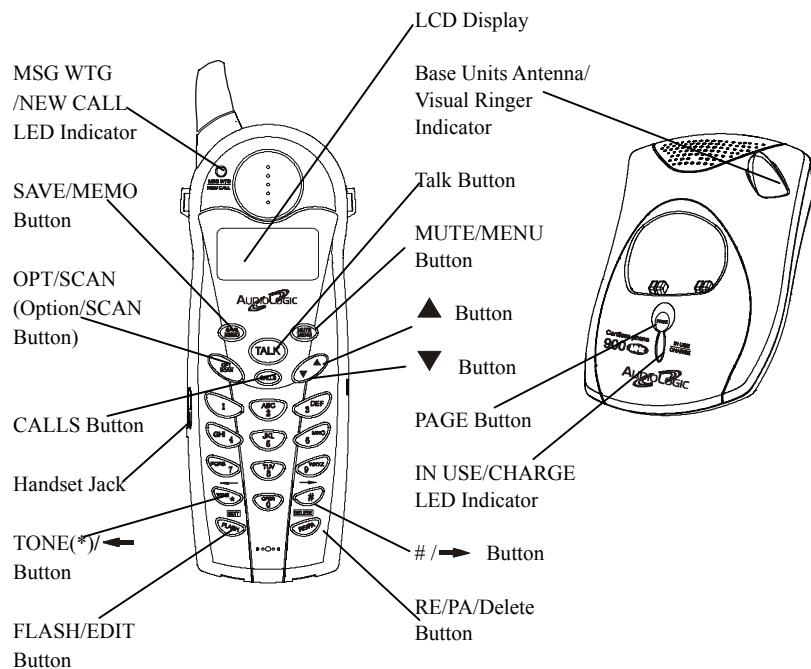
**AC ADAPTOR:** Use only with Class 2 Transformer, 9VDC output ,  
200mA, center pin positive.



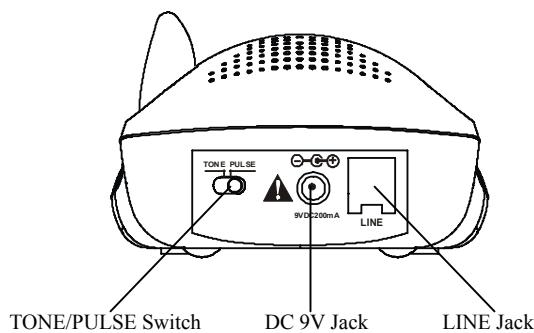
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### APH7923 CONTROLS DIAGRAM



Base Unit  
(Rear View)





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## **DESCRIPTIONS**

### **Handset Controls:**

**LCD Display-** Shows call information, phone status, prompts and Phonebook items.

**MSG WTG/NEW CALL indicator-** Red LED blinks when you have new message(s) and call(s).

**TALK Button** - Press this button to place a call, answer a call, or end a call.

**SAVE/MEMO Button** – Allows you to retrieve a memory(name and phone number)for the personal Phonebook (up to 20 memories). Saves the changes on the listed items.

**TONE \* / ← Button** - Press to move left on the large LCD Display.

**# / → Button** - Press to move right on the large LCD Display.

**FLASH/EDIT Button** - (FLASH)Momentarily hangs up the phone to access custom calling features such as Call waiting or Three-way calling provided by you local phone company(EDIT) Press to edit listed items..

**▲/▼ Button** -Allows you to adjust the handset volume(3 steps) in TALK mode. It also allows you to view the caller list or /and Phone.

**Microphone** -Used for speaking with callers.

**Headset Jack** – A jack located on the side of the handset used for connecting your headset to enjoy a hands-free communication.

**RE/PA/Delete(Redial/Pause/Delete) Button** – (Redial)Press to redial the last number you dialed.(Pause)Press to insert pause while dialing. (Delete)Press and hold down to delete items.

**Calls Button** - Press to see the caller list.

**OPT/SCAN(Option /Scan) Button** – While in Talk mode. It is used to manually select one of the 40 operating channels when you experience interference on the handset. During you view the caller list, press to place a long distance call or to place a local call.

**MUTE /MENU** – While in standby mode, this button allows you to set the handset in Programming mode. In talk mode, this button allows you to temporarily disable the handset microphone.

**Receiver** – Allows you to hear calls.

### **BASE UNIT CONTROLS:**

**Base Antenna** - A fixed antenna.

**Base Unit Charge Terminals** - Used for charging handset batteries. We recommend that you clean these



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contacts periodically with an alcohol-moistened cloth or cotton swab.

**IN USE/CHARGE LED Indicator** -Lights up steadily when the phone is in talk mode and turns off when the handset is not in use. Also lights up steadily when paging the handset. Lights up steadily when the handset is being charged on the base and turns off when the handset is removed from its cradle.

**Visual Ringer Indicator** - Flashes to indicate the phone is ringing, as a signal to the user, when the ringer is off.

**PAGE Button** - Allows you to locate the handset when it is not on the base, or to alert the person near the handset.

**TONE/PULSE Switch** - A switch located on the rear of the base unit, which allows you to set the dialing mode to either Tone dialing or Pulse(rotary) dialing.

**DC 9V jack** - A jack located on the rear side of the base unit used for connecting the AC adaptor to the base unit.

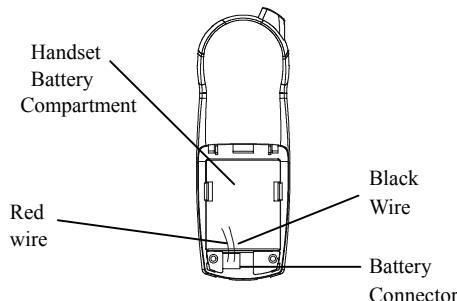
**LINE jack** – Accepts line cord to make connection with modular type telephone outlet.

## **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.

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.



(Figure 1)

3. Insert the Ni-Cd battery into the battery compartment.
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, 450mAh. It is recommended that the Ni-Cd battery pack should be fully charged overnight prior to initial use.

### **Belt Clip Installation**

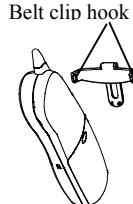
With the back of handset facing up, insert one side of the belt clip hook into the matching slots at the top



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side of handset as shown in Figure2. Slide the other hook until it locks into place from the opposite side of the handset.

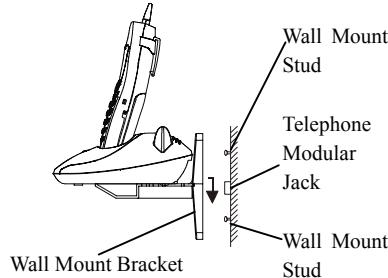


(Figure 2)

#### **WALL USE:**

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

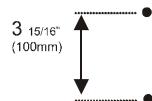
1. Install the wall mount bracket at the position as shown in Figure 3.
2. Connect the short telephone line cord to the TEL LINE jack..
3. Connect the opposite end of the telephone line cord to the modular wall jack.
4. Align the wall mounting slots with studs located on the modular wall plate and slide base down to lock in place.



(Figure 3)

##### 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 4.



(Figure 4)

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. Hand the unit onto the screws, then slide it down firmly to fasten the base securely.

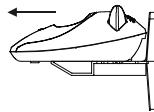
#### **Uninstalling the Wall Mount Bracket**

To remove the wall mount bracket from the base unit, pull it front as shown in Figure 5.



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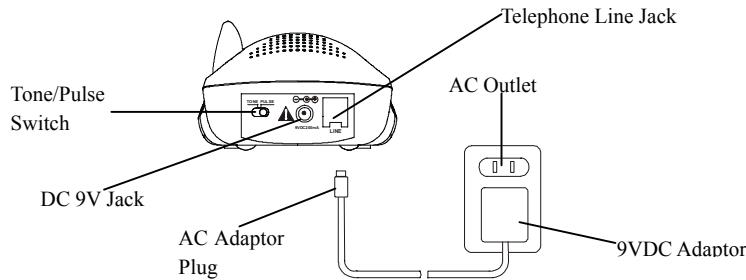
(Figure 5)

### **POWER CONNECTION**



**CAUTION:** You must use a Class II, 120 Volt AC/9 Volt DC adaptor that delivers at least 200mA. 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 6.

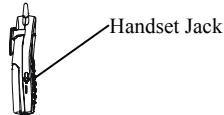


(Figure 6)

### **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 7. Follow the procedures discussed in "Placing a Call" when to place and receive a call.

**Note:** The headset jack of your cordless telephone is compatible with 2.5mm 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 7)

### **INITIAL SETUP**

Please follow these steps before using the cordless telephone for the first time.

1. Ensure that the handset battery pack is installed and charged fully for at least 14 hours.
2. Ensure that all connections(line cord and adaptor cord) are properly inserted into rear of the base



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unit.

#### **SETTING THE TONE/PULSE MODE**

Select the appropriate dialing service by moving the TONE/PULSE switch at the rear of the base unit:

- TONE for Tone service , or
- PULSE for Rotary service.

#### **SETTING THE HANDSET RINGER ON/OFF MODE**

The handset must be set to ring ON mode in order to ring when receiving an incoming call. See Programs Operation section on “RING ON/OFF SETTING”.

### **TELEPHONE OPERATION**

#### **PLACE A CALL**

1. Pick up the handset and press the TALK button. The Call Timer starts to count. The base unit IN USE LED indicator will light up.
2. Listen for a dial tone.
3. Dial the telephone number. The phone numbers appear on the LCD Display as you enter the number.
4. When finished with your call, press the TALK button or place the handset on the base unit. The base IN USE LED indicator will turn off.

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

#### **RECEIVE A CALL**

**NOTE:** If you are expecting incoming calls, the handset must be programmed to RING ON mode.

##### **If the handset is on the base:**

1. When the phone rings, simply pick up the handset from the base cradle if the unit is set to auto-answer ON mode. If the unit is set to auto-answer OFF mode, press the TALK button. See the “AUTO ANSWER ON/OFF SETTING” section to set auto-answer mode. The LCD Display will show “TALK”.
2. Start your conversation.
3. To end your conversation, either press the TALK button or place the handset on the base unit. The base IN USE LED indicator will turn off.

##### **If the handset is out of the base:**

1. When the phone rings, press the TALK button on the handset. The LCD Display will show “TALK” and the base unit IN USE LED will light up.
2. Start your conversation.
3. To end your conversation, either press the TALK button or place the handset on the base unit. The base IN USE indicator will turn off.

#### **LAST NUMBER REDIAL**

##### **A. AFTER HEARING A BUSY TONE WHEN PLACING A CALL**

1. If you get a busy tone, press handset TALK button to hang up.
2. Press the handset TALK button again and listen for a dial tone.
3. Press the handset RE/PA/DELETE button. This will automatically redial the last telephone number you called (up to 32 digits).
4. When finished with your call, press the TALK button or place the handset on the base unit. The base



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IN USE LED indicator will turn off.

**B. WHEN THE HANDSET IS OFF THE BASE UNIT AND IN STANDBY MODE**

1. Press the TALK button on the handset and listen for a dial tone.
2. Press the RE/PA/DELETE button. This will automatically redial the last telephone number you called (up to 32 digits).
3. When finished with your call, press the TALK button or place the handset on the base unit. The base IN USE LED indicator will turn off.

**SAVING IN THE PHONEBOOK**

1. Press the SAVE/MEMO button.
2. Press the FLASH/EDIT button.
3. Use the TELEPHONE KEYPAD button(0-9) to enter the name, (see the “TELEPHONE KEYPAD CHARACTERS SETTING” section ) you can store up to 15 characters.
4. Press the **▼** button once.
5. Enter the telephone number using the TELEPHONE KEYPAD button(0-9). You can store up to 16 digits.
6. Press the SAVE/MEMO button to save into memory
7. Press the SAVE/MEMO button to go back to standby mode.

**NOTE:** If there are no memory locations left in the phonebook, the unit will display “MEMORY FULL”.

To continue with memory programming, you must delete or edit existing speed dial numbers.

If no active buttons are pressed for 20 seconds, the LCD Display will automatically return to STANDBY mode.

It will not save a duplicate telephone number or a name without the corresponding telephone number in the Phonebook.

**A. PREFERRED CALLS(VIP)**

You can assign PREFERRED CALL which will generate a special ringer sound at start of the second ring to any welcome caller in the Phonebook.

1. Press the SAVE/MEMO button.
2. Press the **▲** or **▼** button to find the one you need.
3. Press the MUTE/MENU button once. The LCD Display will show “VIP”.
4. Press the SAVE/MEMO button to save the preferred call and go back to STANDBY mode.

VIP
JOHN SMITH
888-555-1212
#1 TOTAL20

**B. BLOCKED CALLS**

You can assign a BLOCKED CALL which will disable the ringer sound from the second ring to any caller in the Phonebook.

1. Press the SAVE/MEMO button.
2. Press the **▲** or **▼** button to find the one you need.
3. Press the MUTE/MENU button twice. The LCD Display will show “REJ”.
4. Press the SAVE/MEMO button to save the preferred call and go back to STANDBY mode.

REJ
JOHN SMITH
888-555-1212
0725 #2 TOTAL20



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#### TELEPHONE KEYPAD CHARACTERS

The TELEPHONE KEYPAD buttons(0-9) are used to enter the characters when entering names. Press the appropriate KEYPAD button to get the following characters.

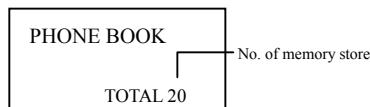
KEYPAD BUTTON	CHARACTERS
1	Space & '()*.1
2	A B C 2
3	D E F 3
4	G H I 4
5	J K L 5
6	M N O 6
7	P Q R S 7
8	T U V 8
9	W X Y Z 9
0	0

For example, If you want to enter the character “C”, press the “2” KEYPAD button, the first character displayed will be “A”. Press the “2” button again to display “B”, and press again to display the letter “C”.

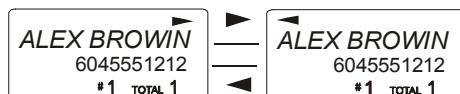
To enter the next character, press the appropriate button. If, however, the next character is on the same button as the previous character, you will first need to press the SHIFT RIGHT → button. Pressing the SHIFT RIGHT → button a second time will produce a space. If you want to change any character, you can go back to the incorrect character by pressing the SHIFT LEFT ← button. To delete the character inside the cursor “█”, press the RE/PA/DEL button.

#### VIEWING THE PHONEBOOK

This Phonebook lets you scroll through the list to find the person you need for one touch dialing. You can store up to 20 names and telephone numbers in the Memory.



1. Press the SAVE/MEMO button.
2. Press the ▲ or ▼ button to find the one you need, press the SHIFT RIGHT → button if the name or telephone number is more than 11 digits.



**NOTE:** To exit the Phonebook at anytime, Press the SAVE/MEMO button.

#### EDITING NAME AND NUMBER IN THE PHONEBOOK



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1. Press the SAVE/MEMO button.
2. Press the **▲** or **▼** button to find the one you want to edit.
3. Press the FLASH/EDIT button to edit the name.



4. Press the SHIFT LEFT **◀** or RIGHT **▶** button to move the cursor to the letter or number you want to change.  
To erase, press the RE/PA/DELETE Button  
To add, use the TELEPHONE KEYPAD buttons(0-9).
5. Press the **▼** button to edit the number.
6. Press and hold the SHIFT LEFT **◀** or RIGHT **▶** button to move the cursor to the number you want to change.  
To erase, press the RE/PA/DELETE button.  
To add, use the TELEPHONE KEYPAD buttons(0-9).



7. Press the SAVE/MEMO button to confirm.

**IMPORTANT:** It is not advisable to save a telephone number without the corresponding name in the Phonebook. This will lead to improper displays on Private and Out of Area calls.

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

#### PLACING CALLS FROM THE PHONEBOOK

1. Press the SAVE/MEMO button.
2. Press the **▲** or **▼** button to find the one you want to call.
3. Press the TALK button to dial out the telephone number.
4. Start your conversation.
5. To end your conversation, either press the TALK button or place the handset on the base unit.

**NOTE:** Be sure to check that the line is not in use by another extension.

#### DELETING A STORED NUMBER

1. Press the SAVE/MEMO button.
2. Press the **▲** or **▼** button to find the one you want to delete.
3. Press the RE/PA/DELETE button. The unit will ask you to delete the selected telephone number and the LCD Display will show "ERASE ITEM?".





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4. Press again the “RE/PA/DELETE” button to delete. The LCD Display will show “ERASED”.
5. Press the SAVE/MEMO button to return to STANDBY mode.

#### **MIXED MODE DIALING (Temporary Pulse to Tone Dialing)**

1. If you only have pulse (rotary dialing) service in your area and want to access Tone services (Bank by Phone, etc.), ensure that the Tone/Pulse switch on the rear of the base unit is set to the Pulse position.
2. Press the TONE(\*) button once to switch from Pulse to Tone dialing temporarily. Pulse dialing mode resumes when the call is ended.

#### **PAUSE FUNCITON**

- In some cases, such as PABX or long distance service, a pause may be needed in the dialing sequence. Pressing the handset RE/PA/DELETE button inserts the programmed time interval between dialed numbers.

#### **FLASH FUCTION**

- Used to access custom calling features such as Call Waiting or Three-Way Calling provided by your local phone company. Flash can also be used to restore a dial tone to make a new call.

#### **CHANNEL SELECTION(40 Channels)**

- Your cordless telephone lets you select a channel from the 40 frequencies available to transmit signals between the base unit and handset. If the existing channel becomes noisy or starts having interference, you can either move closer to the base unit or press the OPT/SCAN button on the handset until a better reception is found.

#### **OUT OF RANGE WARNING**

- The handset and base unit communicate up to a certain maximum range. The distance can be affected by weather, power lines, or even other cordless telephone.
- If you are far away from the base unit, the handset beeps and “OUT RANGE” is shown on the LCD Display to warn you that the background noise level is too high for proper communication between the handset and the base unit.
- When you hear this sound and see the “OUT RANGE” display, you should move closer to the base unit. Otherwise, the call will automatically cut off after 20 seconds.

#### **LOW BATTERY WARNNING**

- When the handset battery voltage level is low, the handset LCD Display shows “LOW BATTERY”.
- Return the handset on the base cradle to charge.

#### **PAGING FUNCTION**

- If you have misplaced the handset or need to alert person nearby the handset, press the PAGE button on the base unit. Each press of this button will activate the handset to beep for 20 seconds and LCD Display shows “PAGING” while it is being paged by the base unit.

**NOTE:** Even if the handset is in RING OFF mode, the base unit can page the handset.



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## **CALLER ID OPERATION**

### **GETTING TO KNOW YOUR NEW PHONE**

**IMPORTANT:** Subscription to Caller ID (CID)/Call Waiting ID services from your local phone company is required for using the Caller ID/Call Waiting ID features of the APH7923. Your new APH7923 telephone gives you the ultimate in cordless telephone sound quality with the luxury of Caller ID and Call Waiting ID.

If this is your first cordless telephone, you will soon discover that your cordless is similar to regular telephones, except without the cord. If you have owned a cordless in the past, you will discover that the APH7923 telephone is the most powerful and full-functioned Call Waiting ID cordless telephone on the market, some key features are:

- 40 name and number Caller ID/Call Waiting ID memory(Call List)
- 20 name and number programmable memory (Phonebook)
- Hearing – aid compatibility
- Automatic or manual selection of the clearest of 40 channels

Unlike regular telephones, your cordless telephone does not work during power failures. We do not recommend you to use a cordless telephone as the only phone in your residence

### **INTRODUCTION TO CALLER ID AND CALL WAITING ID**

The APH7923 Caller ID/Calling Waiting 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 Question and Answer table:

QUESTIONS	ANSWERS
<b>What is Caller ID?</b>	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>What is Caller Waiting ID?</b>	Call Waiting ID is a device that can also identifies the call waiting party before you answer a call.
<b>How does Caller ID and Call Waiting ID work?</b>	When used with Caller ID/Call Waiting service, the Caller ID/Call Waiting ID device displays the name(if available), and the telephone number (if available) of the person calling before you answer 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 device.
<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/Call Waiting ID service installed on your line. There is an extra charge added to your monthly telephone bill for this service. Before using this unit, please read this instruction manual carefully.



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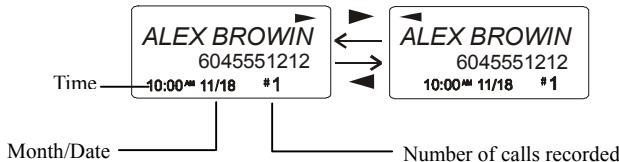
#### RECEIVING NEW CALL

- When you receive a new call, the call information is stored under CALLER ID List. The “NEW” segment of LCD Display and NEW CALL LED indicator will flash if there is new call(s).
- When you receive a call, the system displays the caller information sent by the telephone company, called a Call Record. The Call Record consists of the following information:
  - The caller's name(if available)
  - The caller's telephone number
  - The time and date of a call
  - A call record number
- If there is no call records, the LCD display shows “NO CALLS”.

JOHN SMITH
555-555-1212
10:00 AM 12/15 NEW #8

#### VIEWING THE CALLER ID LIST

- In standby mode, press CALLS button to enter Caller ID list. If there is new call(s), the new call(s) will be displayed at first. If the name or number is more than 11 characters, press the SHIFT RIGHT → button to view the rest of the display.



- Press ▲ or ▼ button to scroll to the next call. The ▼ button will go through the calls from the last call received to the first. The ▲ button will allow you to view the calls from the first call received to the last.
- Press CALLS button to finish.

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

#### CALLER ID DISPLAY

JOHN SMITH
555-555-1212
8:05AM 12/25 #38

LCD Display shows name and number, time and date of the call.

555-555-1212
8:05AM 12/25 #38

LCD Display shows number-only service.

UNAVAILABLE
-----
11:23AM 12/25 #20

“UNAVAILABLE” will be displayed when Caller ID information is not available. This call was made from a telephone company that does not offer Caller ID services(including international calls).

PRIVATE
-----
11:23AM 12/25 #40

“PRIVATE” will be shown when a call is received from a blocked number. For privacy reasons, some states allow callers the option to prevent their telephone data from being displayed on the other party's Caller ID display.



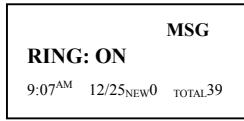
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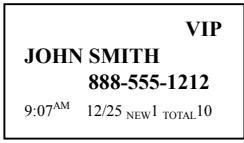


Display shows when the Caller ID information was received incorrectly or only part of the data was received.

**NOTE:** When an error is received, none of the date from This call is saved in memory



Display shows when a voice mail message has been received and is stored by message waiting service provided by the phone company.



Display shows when the incoming call is a priority call.



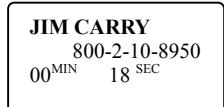
This is displayed when CALLS button is pressed and there is no Caller ID date stored.

**NOTE:** If a call is received from the same number more than once since the records were last viewed, no new entry is made, but the repeat call icon “RPT” and the number of repeat calls is displayed.

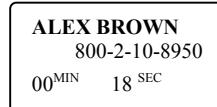
#### CALL WAITING

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.

1. When a second call comes in while you are having a conversation, you will hear a notification tone from the handset and volume is momentarily muted. The LCD Display will automatically shows the name and number of the second caller.
2. Press the FLASH/EDIT button to answer the second caller. The first caller's name and number will be displayed.
3. When you have finished, press the FLASH/EDIT button to continue with your conversation with the first caller.



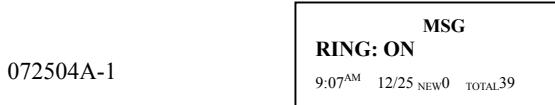
2'ND CALLER



1'ST CALLER

#### MESSAGE WAITING

If you have subscribed to Voice Mail message service and if you have requested Visual Message Indication from your local telephone company, the MSG WTG/NEW CALL LED indicator will blink and the LCD Display will show “MSG” when there is voice message(s) for you from your telephone company. To remove the MESSAGE WAITING indicator, see the “ Message Waiting Setting” section..



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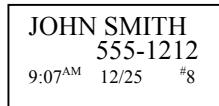
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#### PLACING A CALL FROM THE CALLER LIST

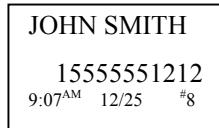
1. Press the CALLS button.
2. Press the **▲** button or **▼** button to select the call record you wish to call back.
3. If the number displayed is not correct(needing 7,10,11 digits), press the OPTION button to select call number.



Press OPTION button



Press OPTION button



4. Press TALK button to dial out or press CALLS button to cancel dialing.
5. To end your conversation, either press the TALK button or place the handset on the base unit.

#### SAVING THE NAME AND NUMBER FROM THE CALLER LIST INTO PHONE BOOK

1. Press the CALLS button.
2. Press the **▲** button or **▼** button to scroll to the call record you wish to store into the phonebook.
3. Press SAVE/MEMO button. The LCD Display shows “SAVE”.
4. Press CALLS button to return to standby mode.

**NOTE:** When call records with 10 digits are stored in the phonebook, a “1” is inserted in front of the number. If you must dial out a 10-digit number for local calls, you must edit the number to exclude that digit to dial out correctly.

#### SELECTIVE DELETING IN THE CALLER LIST

1. Press the CALLS button
2. Press the **▲** or **▼** button to scroll to the call record you wish to delete.
3. Press RE/PA/DELETE button. The LCD Display will show “ERASE ITEM?”



4. To delete the selected call record, press RE/PA/DELETE button.
5. Press the CALLS button to return to STANDBY mode.



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#### **DELETING ALL RECORDS IN THE CALLER LIST**

1. Press the CALLS button.
2. Press and **hold** RE/PA/DELETE button. The LCD Display will show “ERASE ALL?”
3. To delete all Caller ID records, press RE/PA/DELETE button. The LCD Display will show “ERASE ALL” and return to standby mode.



#### **PROGRAMS OPERATION**

This unit contains the following special Programs:

A. RING ON/OFF	H. PBX MODE ON/OFF
B. LANGUAGE	I. PAUSE TIME
C. FIRST RING ON/OFF	J. MSG WAITING
D. TIME SET	K. AUTO ANSWER ON/OFF
E. AREA CODE	L. PRIVATE RING ON/OFF
F. CONTRAST	M. UNAVAILABLE RING ON/OFF
G. PBX NUMBER	

##### **A. RING ON/OFF**

To turn on or off the ringing sound.

1. Press and **hold** the MUTE/MENU button.
2. Press the TELEPHONE KEYPAD #1 button.
3. Press the FLASH/EDIT button.
4. Press the ▲ or ▼ button to select ON or OFF. RING ON is the preset mode.
5. Press the SAVE/MEMO button to save the setting.
6. Press the MUTE/MENU button to go back to standby mode.



##### **B. LANGUAGE**

This telephone offers English, Spanish and French languages for your convenience.

1. Press and **hold** the MUTE/MENU button.
2. Press the TELEPHONE KEYPAD #2 button.
3. Press the FLASH /EDIT button.
4. Press the ▲ or ▼ button to select the language you desire. English is the preset language.
5. Press the SAVE/MEMO button to save the setting.
6. Press the MUTE/MNUE button to go back to standby mode.



##### **C. FIRST RING ON/OFF**

You can turn off the first ring of the telephone so that it does not ring until caller ID information has been displayed.

1. Press and **hold** the MUTE/MENU button.
2. Press the TELEPHON KEYPAD #3 button.
3. Press the FLASH/EDIT button.
4. Press the ▲ or ▼ button to select the ON or OFF. FIRST RING ON is the preset mode.
5. Press the SAVE/MEMO button to save the setting.





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6. Press the MUTE/MENU button to go back to standby mode.

#### **D. TIME SET**

Set the date and time.

1. Press and hold the MUTE/MENU button.
2. Press the TELEPHONE KEYPAD #4 button.
3. Press the FLASH/EDIT button.
4. Use the TELEPHONE KEYPAD button to enter the month, date, hour and minute.  
The cursor moves automatically after entering each item.  
Press the TELEPHONE KEYPAD #1 for AM setting, or  
Press the TELEPHONE KEYPAD #2 for PM setting.
5. When the final setting is programmed, the time and date are automatically saved.
6. Press the MUTE/MENU button to go back to STANDBY mode.

**NOTE:** The date and time will automatically set, if you have subscribed to the Caller ID service from your local telephone company.

#### **TIME SET**

10:03 AM 12/25 #4 TOTAL13

#### **E. AREA CODE**

1. Press and **hold** the MUTE/MENU button.
2. Press the TELEPHON KEYPAD #5 button.
3. Press the FLASH/EDIT button.
4. Use the TELEPHONE KEYPAD buttons to enter the three digit area code.
5. Press the SAVE/MEMO button to save the setting.
6. Press the MUTE /MENU button to go back to standby mode.

#### **AREA CODE**

---  
#5 TOTAL13

#### **F. CONTRAST**

This unit enables you to select 3 brightness levels for the Large LCD Display.

1. Press and **hold** the MUTE/MENU button.
2. Press the TELEPHON KEYPAD #6 button.
3. Press the FLASH/EDIT button.
4. Press the ▲ or ▼ button to adjust the brightness of the display. Level 2 is the preset brightness.
5. Press the SAVE/MEMO button to save the setting.
6. Press the MUTE /MENU button to go back to standby mode.

#### **CONTRAST**

2  
#6 TOTAL13

#### **G. PBX NUMBER**

This unit enables you to preset the PBX number (such as an 8 or 9) while you are using a switchboard system.

1. Press and **hold** the MUTE/MENU button.
2. Press the TELEPHON KEYPAD #7 button.
3. Press the FLASH/EDIT button.
4. Press the ▲ or ▼ button to select PBX number.(9 is the preset PBX number)
5. Press the SAVE/MEMO button to save the setting.
6. Press the MUTE /MENU button to go back to standby mode.

#### **PBX NO.**

9  
#7 TOTAL13

#### **H. PBX MODE**

This unit enables you to turn ON/OFF the PBX system depending on the telephone system you are using.

1. Press and **hold** the MUTE/MENU button.

#### **PBX MODE**

OFF  
#8 TOTAL13



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2. Press the TELEPHON KEYPAD #8 button.
3. Press the FLASH/EDIT button.
4. Press the **▲** or **▼** button.

PBX MODE OFF- set for direct line access. The preset PBX mode is off.  
 PBX MODE ON- When connected to a switchboard system.

5. Press the SAVE/MEMO button to save the setting.
6. Press the MUTE/MENU button to go back to STANDBY mode.

**NOTE:** When placing a call in PBX mode ON, this telephone will automatically add the PBX number and a pause time before the dialed telephone numbers.

#### I. PAUSE TIME

This unit enables you to adjust the pause time when placing a call using a switchboard system or dialing long distance calls.

1. Press and **hold** the MUTE/MENU button.
2. Press the TELEPHON KEYPAD #9 button.
3. Press the FLASH/EDIT button.
4. Press the **▲** or **▼** button to adjust the pause time.  
 The preset pause time is 2 seconds.
5. Press the SAVE/MEMO button to save the setting.
6. Press the MUTE/MENU button to go back to STANDBY mode.

PUASE TIME  
 2  
 #9 TOTAL13

#### J. MSG WAITING (Message Waiting)

To turn off the Message Waiting LCD/LED indicator.

1. Press and **hold** the MUTE/MENU button.
2. Press the TELEPHON KEYPAD #0 button.
3. Press the FLASH/EDIT button.
4. Press the SAVE/MEMO button, the Message Waiting LCD/LED indicator turn off.
5. Press the MUTE/MENU button to go back to STANDBY mode.

MSG WAITING  
 delete  
 #10 TOTAL13

**IMPORTANT:** Message Waiting LCD/LED indicator will automatically turn on. If you have subscribed to Voice Mail message service and if you have Visual Message indication from your local telephone company.

#### K. AUTO ANSWER ON/OFF

Turn on or off the auto answer feature. When in on mode, the phone will automatically answer an incoming call if the handset is lifted from the base unit.

1. Press and **hold** the MUTE/ MENU button.
2. Press the TELEPHON KEYPAD \* button.
3. Press the FLASH/EDIT button.
4. Press the **▲** or **▼** button to select ON or OFF.  
 AUTO ANSWER ON is the preset mode.
5. Press the SAVE/ MEMO button to save the setting.
6. Press the MUTE/MENU button to go back to STANDBY mode.

AUTO ANSWER  
 On  
 #11 TOTAL13

#### L. PRIVATE RING ON/OFF

Turn on or off ring or all calls where the caller has blocked their caller ID.

1. Press and **hold** the MUTE/MENU button.
2. Press the **▼** button twice.
3. Press the FLASH/EDIT button.

RRIVATE RNG  
 On  
 #12 TOTAL13



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4. Press the **▲** or **▼** button to select ON or OFF.

PRIVATE RING ON is the preset mode.

5. Press the SAVE/MEMO button to save the setting.

6. Press the MUTE/MENU button to go back to standby mode.

**NOTE:** The phone will ring once when set to OFF mode unless first ring is set to OFF mode.

#### **M. UNAVAILABLE RING ON/OFF**

Turn on or off ring or all calls where the caller has blocked their caller ID.

1. Press and **hold** the MUTE /MENU button.

2. Press the **▼** button once.

3. Press the FLASH/EDIT button.

4. Press the **▲** or **▼** button to select ON or OFF.

UNAVAIL RING ON is the preset mode.

5. Press the SAVE/MEMO button to save the setting.

6. Press the MUTE/MENU button to go back to standby mode.

**NOTE:** The phone will ring once when set to OFF mode unless first ring is set to OFF mode.

UNAVAIL RNG  
On  
#13 TOTAL13

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

The cordless telephone have a digital coding security system to prevent unauthorized use of your telephone line by other cordless phones nearby. The cordless telephone have 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 adapter.
3. After replacing the handset battery.
4. 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.

#### **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 a degradation in cordless reception.
- Keep the handset batteries charged as much as possible. Weak handset batteries can limit the range of cordless operation.

#### **MAXIMIZING BATTERY LIFE**

Repeated use or recharge of Ni-Cd batteries without periodic full discharge results in reduced useable charge time. When you notice the usable charge duration decreasing, fully discharge the Ni-Cd battery and recharge as described:

#### **DISCHARGING**

1. Unplug the telephone line cord from the APH7923.
2. Make sure that the adapter is connected.
3. Lift the handset out of the base cradle.



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4. Press the TALK button of the handset and start discharging.

Once the Symbol LOW Battery appears on LCD Display, it means that the battery level is low. Let it fully discharge for 12 hours. Once the Ni-Cd battery is fully discharged, you may now charge the battery to its full capacity.

#### **CHARGING**

1. Make sure the adapter and telephone line cord are connected to the APH7923.
2. Place the handset on the base cradle. The CHARGE LED indicator of the base unit will light steadily.
3. Leave the handset charging on the base for 12 hours continuously to get a maximum charge.
4. The APH7923 is now ready for regular use. Discharge and charge the Ni-Cd battery again once you notice a decrease in the useable charge time.

#### **MAINTENANCE**

1. Your phone should be situated away from heat sources such as radiators, heaters, stoves or any other appliance that produces heat.
2. Use a slightly 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.

#### **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 minor annoyances and should not be interpreted as defects 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.



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## **TROUBLESHOOTING**

### **A. TELEPHONE UNIT TROUBLESHOOTING TABLE**

<b>SYMPTOM</b>	<b>SOLUTION</b>
No dial tone	<ul style="list-style-type: none"> <li>• Check 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, replace 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 the RING ON/OFF mode on the handset. Set to RING ON mode to enable the handset ringer.</li> <li>• Check the telephone line cord connectors at both ends that they are pushed in firmly until they click.</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> </ul>
No power on the handset unit	<ul style="list-style-type: none"> <li>• Check the Ni-Cd battery pack for proper connection inside the battery compartment on the handset.</li> <li>• The handset rechargeable Ni-Cd pack may need charging.</li> </ul>
Does not charge	<ul style="list-style-type: none"> <li>• Check the Ni-Cd battery pack for proper connection inside the battery compartment on the handset.</li> <li>• Made sure the charging contacts on both the base unit and the handset are in contact during charging.</li> <li>• The charging contacts and terminals may need cleaning with an alcohol-dampened swab.</li> </ul>
Range is limited	<ul style="list-style-type: none"> <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>• The handset Ni-Cd battery may be weak. Recharge the Ni-Cd battery.</li> <li>• Refer to the section “Improving Cordless Reception”.</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> <li>• Choose an alternate channel using the OPT/SCAN button on the handset.</li> </ul>
Interference on reception	<ul style="list-style-type: none"> <li>• Refer to the section “Improving Cordless Reception”.</li> </ul>
Excessive static	<ul style="list-style-type: none"> <li>• Refer to the section “Improving Cordless Reception”.</li> </ul>



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#### B. CALLER ID SYSTEM TROUBLESHOOTING TABLE

SYMPTOM	SOLUTION
The Caller ID panel is blank	<ul style="list-style-type: none"> <li>Check the power connection.</li> <li>Check the telephone line cord connections.</li> <li>Check the batteries for proper installation.</li> </ul>
The Caller ID 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>If you pick up the phone before the second ring, the caller information will not be correctly received. If you have 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.</li> <li>If only the caller's phone number appears on the display, it may be Single Data Message Format(SDMF) call, as opposed to a Multiple Data Message Format (MDMF) call. Please call your local phone company to see which service you have.</li> </ul>
Random characters and/or "NO DATA" appear on the LCD display	<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. It can only capture and store the data that was received.</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>



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**AC ADAPTOR: USE ONLY WITH CLASS 2 POWER SOURCE, OUTPUT 9VDC, 200mA.**

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



**APH7923/072504A-1**