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## Safety Instructions

### **IMPORTANT SAFETY INSTRUCTIONS**

***To reduce the risk of fire, electric shock and/or injury, always follow these basic safety precautions when using your cordless telephone equipment.***

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the telephone.
3. Do not use this telephone near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement, near a swimming pool or anywhere else where there is water.
4. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
5. Do not use the telephone to report a gas leak in the vicinity of the leak.
6. Use only the power cord and battery indicated in the Owner's Manual. Do not dispose of the battery in a fire. The battery may explode. Check with local codes for possible special disposal instructions.
7. Unplug this telephone from the wall outlet before cleaning or replacing the battery. Do not use liquid cleaners or aerosol cleaners on the telephone. Use a damp cloth for cleaning.
8. Place this telephone on a stable surface. Serious damage and/or injury may result if the telephone falls.
9. Do not cover the slots and openings on this telephone. This telephone should never be placed near or over a radiator or heat register. This telephone should not be placed in a built-in installation unless proper ventilation is provided.
10. Operate this telephone using the electrical voltage as stated on the base unit or in the Owner's Manual. If you are not sure of the voltage in your home, consult your dealer or local power company.
11. Do not place anything on the power cord. Install the telephone where no one will step or trip on the cord.
12. Do not overload wall outlets or extension cords as this can increase the risk of fire or electric shock.
13. Never push any objects through the slots in the telephone. They could 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 telephone.
14. To reduce the risk of electric shock, do not take this telephone apart. If service or repair work is required on this telephone, take it to a qualified service representative. Opening or removing covers may expose you to dangerous voltage or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
15. Unplug this telephone from the wall outlet and consult a qualified service representative in any of the following situations.
  - A. When the power supply cord is frayed or damaged.
  - B. If liquid has been spilled into the telephone.
  - C. If the telephone has been exposed to rain or water.



## Safety Instructions

- D. If the telephone does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment may require extensive work by a qualified technician to restore the telephone to normal operation.
- E. If the telephone has been dropped or the case has been damaged.
- F. If the telephone exhibits a distinct change in performance.
- 16. Never install telephone wiring during a lightning storm.
- 17. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- 18. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- 19. Use caution when installing or modifying telephone lines.

## Battery Safety

**CAUTION: Don't use old batteries with new ones, don't mix different types of batteries together. Danger of explosion if the batteries are incorrectly replaced. Replace only with the same or equivalent type. To reduce the risk of fire or personal injury, read and follow these instructions:**

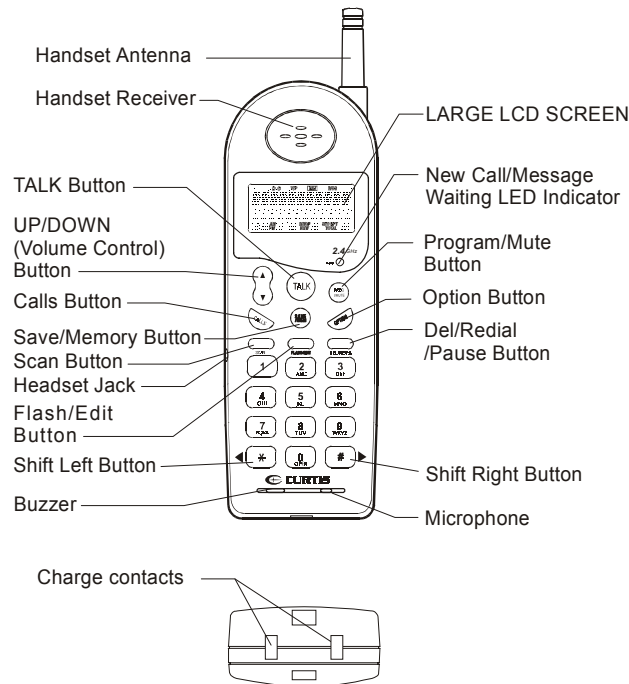
1. Use only the following type and size of battery:  
3 AAA 1.2V, 600 mAh Rechargeable Ni-MH battery
2. Do not dispose of the battery in a fire. It may explode. Check with local codes for possible special dispose instructions.
3. Do not open or mutilate the battery. Released electrolyte from a battery is corrosive and may cause damage to the eyes or skin. Electrolyte may be toxic if swallowed.
4. Exercise care in handling the battery to prevent shorting the battery with conductive materials such as rings, bracelets and keys. The battery or conductor may overheat and cause burns.
5. Charge the battery provided with (or identified for use with) this telephone only in accordance with the instructions and limitations specified in this manual.
6. Observe proper polarity orientation between the batteries and battery charge.

## SAVE THESE INSTRUCTIONS

### ATTENTION:

The telephone that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

## Handset Controls



### HANDSET Controls

#### TALK Button

The **TALK** button is used to access the telephone line or end a call.

#### DEL/RE/PA Button

When viewing or editing menus and logs, the **(DELETE)** button is used to erase digits on the display and single or multiple entries from the phone book and Caller ID directories. When the phone is idle or off-hook, press **(REDIAL)** to redial the last number dialed. **(PAUSE)** is used to insert a programmable pause into a number stored in the phone book.

#### CALLS Button

The **CALLS** button is used to review Caller ID information stored in memory.



## Handset Controls

### OPTION Button

The **OPTION** button is used to change the 7/10/11 digit dialing mode during caller ID callback.

### PROG/MUTE Button

The **PROG** button is used to access the programmable functions of your phone. The **MUTE** button, is used to temporarily mute the handset microphone.

### UP/DOWN Button

The **UP** or **DOWN** button let you scroll through menus and logs, and adjust the handset volume.

### Dial Pad

Numeric keys are used in the conventional manner for dialing.

### FLASH/EDIT Button

The **FLASH/EDIT** button is used to access telephone company services, like call waiting. It is also used to create and edit phone book entries.

### SAVE/MEM Button

The **SAVE** button is also used to save numbers into the phone book and other settings. Use **MEM** button to program and retrieve the numbers in the speed dial directory.

### SCAN Button

The **SCAN** button, when pressed, will scan to 50 channels and select the clearest one to provide the best possible reception.

### Temporary Tone/View Left { ◀ / \* } Button

If the base is set to pulse dialing, pressing causes subsequent digits to be dialed out using tone until the line is put back on hook. Also used to view the left part of the display and move the cursor left when editing.

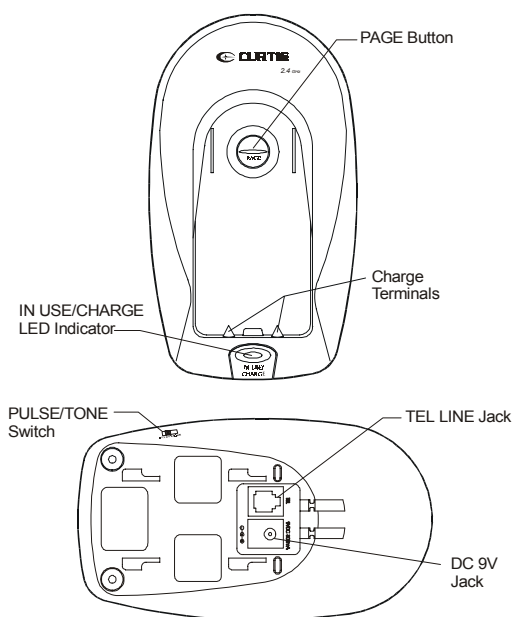
### View Right { # / ▶ } Button

Used to view the right part of the display and move the cursor right when editing.

### Headset Jack

Allows using a headset for hands-free convenience.

## Base unit Controls



Base Unit (Bottom View)

### BASE UNIT Controls

#### In Use/Charge LED

Lights up to indicate that the handset is in **TALK** mode and blinks when an extension telephone is in use. Lights up when the handset is placed on the cradle being charged.

#### Page Button

Used to initiate a handset page.

#### Charging Contacts

Used to recharge battery and reset the security code in the handset.

#### Tone/Pulse Switch

Used to set the dialing method for tone or pulse dialing.



## Getting Started

### Connecting Your Phone

This section is a reference guide to the basic functions of your cordless telephone. For more detailed descriptions of the operations and features of this telephone, refer to the Contents on page 1.

1. Carefully remove your cordless telephone from its shipping carton. If there is any visible damage, do not attempt to operate this equipment. Return it to the place of purchase.
2. Check to be sure you have all items that come with this cordless telephone system. You should have a HANDSET, BASE UNIT, AC ADAPTOR, MOUNTING BRACKET, TELEPHONE LINE CORD, SHORT TELEPHONE LINE CORD, BELT CLIP and Owner's Manual.
3. Insert the small plug on the end of the AC ADAPTOR into the POWER-IN CONNECTION JACK at the back of the base unit.
4. Plug the AC ADAPTOR into a 120V AC wall outlet.  
**USE ONLY WITH CLASS 2 POWER SOURCE 9V DC, 300mA.**
5. Insert one plug of the TELEPHONE LINE CORD into the house TELEPHONE JACK and the other end into the TELEPHONE LINE CONNECTION JACK at the rear of the base unit.
6. Raise or reposition the ANTENNA on the base unit for the best reception.
7. We recommend not placing this unit next to appliances. Doing so may cause interference.



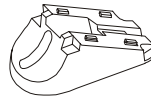
HANDSET



BASE UNIT



BELT CLIP



MOUNTING BRACKET



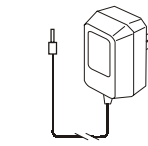
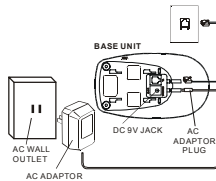
BATTERIES



SHORT TELEPHONE LINE CORD



TELEPHONE LINE CORD

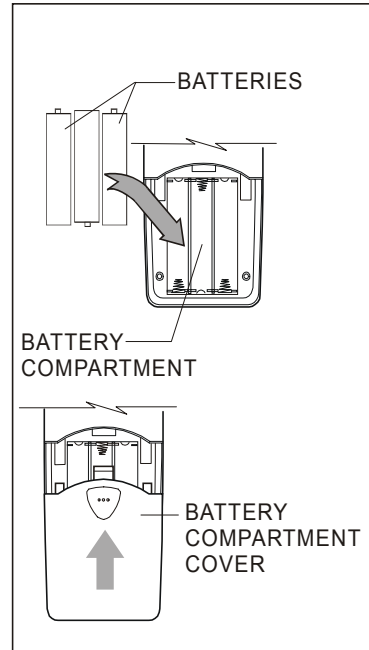


AC ADAPTOR



## Getting Started

8. **BATTERY INSTALLATION (HANDSET)**  
Remove the battery compartment cover of the handset by pressing the top of the cover and sliding it down. Connect the rechargeable batteries.
9. Slide the handset BATTERY COMPARTMENT COVER firmly into place in its closed position.
10. **IMPORTANT: Before initial use, charge the handset for 12 hours.**
11. TONE/PULSE Select Switch:
  - A. If your home is equipped with a tone dialing system, set the TONE/PULSE Select Switch to the TONE position.
  - B. If you have a rotary dialing system, set the TONE/PULSE Select Switch to PULSE position.
  - C. If you are unsure which system you have, set the TONE/PULSE Select Switch to the TONE position. Press the button on the handset and make a call. If the call connects, leave the switch as is; otherwise set to the PULSE position.



**CAUTION:** The cordless telephone operates at a frequency that may cause interference to nearby TVs and VCRs; the base phone should not be placed near, or on top of a TV or VCR. If interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.

**Note:** While the 2.4GHz frequency is inherently clearer, we suggest that you do not use this phone within 20 feet of a working microwave. The microwave produces frequencies in this range which may cause interference. This interference is normal for all 2.4GHz phones and should not be considered a product defect.



## Desk and Wall Mounting

### Desk Mounting

One of the special features of your telephone is the unique design of the MOUNTING BRACKET which can hold your phone at an angle of 30° when desk mounting. There are two position to choose from:

1. **NORMAL POSITION (MOUNTING BRACKET not required):**  
For normal position, place the base unit on any desired but suitable location.
2. **30° POSITION (See Figure 1):**  
With the back of the base unit facing up, insert the hooks of the MOUNTING BRACKET (following the arrow direction for the DESK MOUNT) into the matching slots of the base unit. Then slide the MOUNTING BRACKET into place as indicated by the arrow.

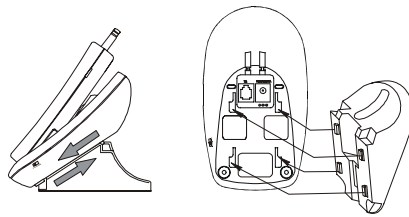


Figure 1

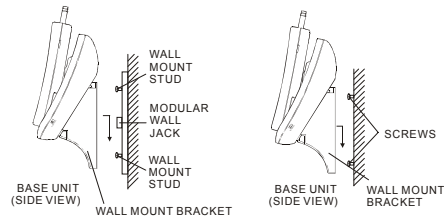


Figure 2

### Wall Mounting (See Figure 2)

You may choose to put the base unit of your cordless telephone on a wall.

1. With the back of the base unit facing up, connect SHORT TELEPHONE LINE CORD to the TELEPHONE LINE CONNECTION JACK.
2. Insert the free end of the SHORT TELEPHONE LINE CORD through the hole of the MOUNTING BRACKET.
3. Insert the hooks of the MOUNTING BRACKET (following the arrow direction for the WALL MOUNT) into the matching slots of the base unit. Then slide the MOUNTING BRACKET into place as indicated by the arrow. Plug the free end of the SHORT TELEPHONE LINE CORD into the MODULAR WALL JACK.
4. 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, then pull the base unit down until it is securely seated.

## Cordless Telephone Operation

### Preparing for Use

Before you can use your cordless telephone, you must charge the handset for 12 hours. Failure to do so will require recharging of the battery more often.

1. Place the handset on the base unit for 12 hours.
2. After 12 hours, remove the handset from the base unit.
3. **Raise or reposition the base unit antenna for the best reception.**

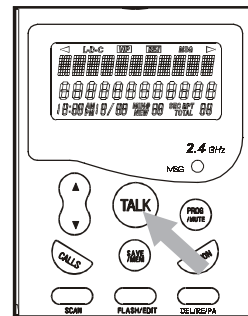
**Before you can use your cordless telephone, you must charge the handset for 12 hours. Failure to do so will require more frequent charging of the battery.**

#### NOTE:

Depending on the frequency of use, once the handset is fully charged, it remains functional for approximately 4 hours of continuous use and approximately 5 days when the handset is off the BASE UNIT in STANDBY mode.

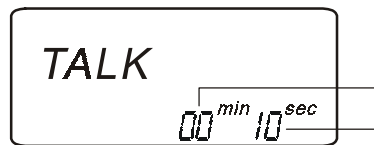
### Receiving Calls

1. If the handset is in the base, lift the handset and it will automatically turn ON. This auto-answer feature can be programmed OFF (see handset settings).
2. If the handset is off the base, the display will show "RING". If you have Caller ID, the display will show the Caller ID information after the first ring.
3. Press the **TALK** button.
4. To end your conversation, either press the **TALK** button or place the handset on the base unit.



#### NOTE:

The Call Timer will start to count once you press the **TALK** button.



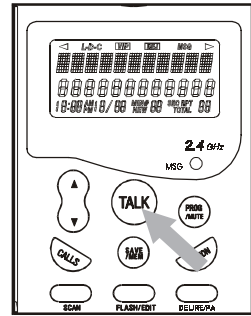
Call Timer Display



## Cordless Telephone Operation

### Placing Calls

1. Pick up the handset from the base unit.
2. Press the **TALK** button, the Call Timer start to count. The handset LCD Screen will display "TALK". The base unit IN USE LED indicator will light up.
3. Listen for a dial tone.
4. Dial the phone number.
5. When you have finished your call, press the **TALK** button again or place the handset on the base unit.

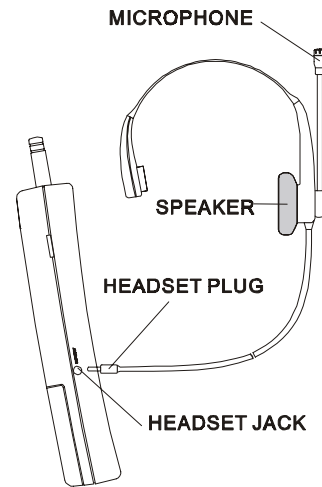


### Using the Handset Feature

Your telephone can utilize a headset to be connected to your handset for you to enjoy hands-free communication. Insert the small plug at the end of the headset into the HEADSET JACK at the left side of the handset. Follow the procedures discussed in "Receiving Calls" and "Placing Calls" to receive and place a call.

**NOTE:** When you plug the headset plug into the HEADSET JACK it automatically mutes the MICROPHONE and SPEAKER of the handset. Unplug the headset to return the handset to normal use.

Headsets are available at most retail outlets that sell telephone equipment. The HEADSET JACK is compatible with 2.5 mm headset plugs only.





## Cordless Telephone Operation

### Redial Feature

If you get a busy tone, press the **TALK** button or place the handset on the base unit to hang up.

Later, press the **TALK** button again.

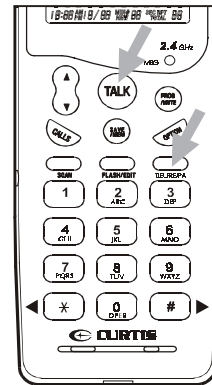
Listen for a dial tone.

Press the **DEL/RE/PA** button. This will automatically redial the last telephone number you called (up to 32 digits).

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

#### NOTE:

You can also press the **DEL/RE/PA** button first to display the number and then press the **TALK** button to dial the number displayed.



### Additional Options

| TO:                                  | DO THIS:                                                                                                                                |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1. Adjust the volume in the earpiece | Press the <b>UP</b> or <b>DOWN</b> button during a call until the desired volume level is reached.                                      |
| 2. Switch to temporary tone dialing  | Press the {◀ / ★} button after the phone is in use. The phone will remain in tone dialing mode for the duration of the call.            |
| 3. Receive a call waiting call       | Press the <b>FLASH/EDIT</b> button to go to the new caller. Press the <b>FLASH/EDIT</b> button again to go back to the original caller. |



## Caller ID System Operation

### Handset Settings

You can change the setting on the handset in the options menu. Access the options menu by pressing the **PROG/MUTE** button in the standby mode until “ENGLISH” is displayed.

There are 12 setting in the options menu which can be changed. You can scroll through the option menu in the listed order by pressing the **UP** button. Settings which have a listed number can be reached directly by pressing that number on the keypad.

To edit most settings, press the **FLASH/EDIT** button, use the **UP** or **DOWN** button to toggle between the setting options, and then press the **SAVE/MEM** button to save changes. You can continue programming options by using the dial keys or the **UP** or **DOWN** button to go to a new setting. Press the **PROG/MUTE** button to exit the options menu.

### Key Function

- {1}** **Language:** Change the language that appears on the display. Choose between English, French, and Spanish.
- {2 ABC}** **First Ring On/Off:** Turn the first ring of the phone off so that it does not ring until the caller ID information has been displayed. Particularly useful when using the priority and blocked call features or the private and unavailable ring settings.
- {3 DEF}** **Time Set:** Change the time and date.
- {4 GHI}** **Area Code:** Allows the programming of a home area code where 7-digit dialing is used for ease of callback and other features.
- {5 JKL}** **Contrast:** Adjust the brightness of the display for optimum viewing.
- {6 MNO}** **PBX Number:** Number used to access PBX dialing options. The default setting is “9”.
- 7 PQRS}** **PBX Mode On/Off:** Determines if the “PBX Number” is used before an outgoing number is dialed. When “On”, automatically dials the PBX number and a pause, before any speed dial or caller ID callback number. Default setting is “Off”.



## Caller ID System Operation

### Key Function

**{8 TUV} Pause Time:** Allows you to adjust the number of seconds that a pause lasts such as during programmed pauses in your speed dial numbers or after your PBX number is dialed.

**{9 WXYZ} MSG Waiting Delete:** Clears any current message waiting indication.

**{0 OPER} Auto Answer On/Off:** Turns on and off the feature which makes the phone automatically go off-hook when the handset is picked up from the base while the phone is ringing.

**{ \* } Private Ring On/Off:** 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 "Off" as well.

**Unavailable Ring On/Off:** Turns on and off the ring for all calls where caller ID information is unavailable. Please note that the phone will ring once even when set to "Off" unless First Ring is programmed "Off" as well.

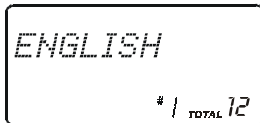
**Note:** At any time during options programming you can quit and the settings that you have changed will be saved. Press the **PROG/MUTE** button to quit or let the options programming time out by not pressing any keys for 20 seconds.



## Caller ID System Operation

### Changing the Language

1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **{1}** key to go to the language programming option.



3. Press the **FLASH/EDIT** button to change the setting. "ENGLISH" will begin flashing.
4. Press the **UP** or **DOWN** button to toggle between ENGLISH, ESPANOL, and FRANCS.
5. When the setting you desire is displayed, press the **SAVE/MEM** button to save the setting. A double beep will sound to confirm the setting has been saved.
6. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.

### Turning the First Ring On or Off

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

1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **{2 ABC}** key to go to the first ring programming option.



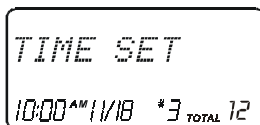
3. Press the **FLASH/EDIT** button to change the setting. "On" will begin flashing.
4. Press the **UP** or **DOWN** button to toggle between On and Off.
5. When the setting you desire is displayed, press the **SAVE/MEM** button to save the setting. A double beep will sound to confirm the setting has been saved.
6. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.



## Caller ID System Operation

### Setting the Time and Date

1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **{3 DEF}** button to go to the time set programming option.

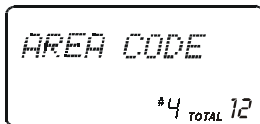


3. Press the **FLASH/EDIT** button to change the setting. the month will begin flashing.
4. Use the dial pad to enter the month in two-digit format. The date will begin flashing.
5. Use the dial pad to enter the date in two-digit format. The hour will begin flashing.
6. Use the dial pad to enter the hour in two-digit format. The minutes will begin flashing.
7. Use the dial pad to enter the minutes in two-digit format. AM and PM will begin flashing.
8. Use the dial pad to choose between AM and PM, where **{1}** is AM and **{2 ABC}** is PM.
9. When the final setting is programmed, the time and date are automatically saved. A double beep will sound and you are returned to the options menu.
10. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.



### Setting the Area Code

1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **{4 GHI}** button to go to the area code programming option.



3. Press the **FLASH/EDIT** button to change the setting. "—" will begin flashing.
4. Use the dial pad to enter the three digit area code that your phone number begins with.
5. When the setting you desire is displayed, press the **SAVE/MEM** button to save the setting. A double beep will sound to confirm the setting has been saved.
6. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.

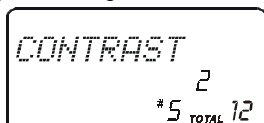
**Note:** Do not use the AREA CODE programming if you are required to dial 10 digits (xxx-xxx-xxxx) to dial a local number.



## Caller ID System Operation

### Adjusting the Contrast

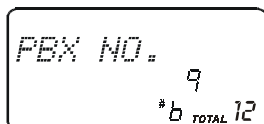
1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **{5 JKL}** button to go to the contrast programming option.



3. Press the **FLASH/EDIT** button to change the setting. "2" will begin flashing.
4. Press the **UP** or **DOWN** button to toggle between three levels of contrast.
5. When the setting you desire is displayed, press the **SAVE/MEM** button to save the setting. A double beep will sound to confirm the setting has been saved.
6. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.

### Setting the PBX Number

1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **{6 MNO}** key to go to the PBX number programming option.



3. Press the **FLASH/EDIT** button to change the setting. "9" will begin flashing.
4. Press the **UP** or **DOWN** button to customize the digit to match your PBX system.
5. When the setting you desire is displayed, press the **SAVE/MEM** button to save the setting. A double beep will sound to confirm the setting has been saved.
6. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.

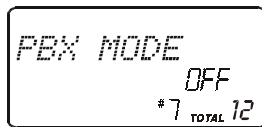
**Note:** The number you programmed is not active unless the PBX mode is On.



## Caller ID System Operation

### Turning the PBX Mode On or Off

1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **{7 PQRS}** key to go to the PBX mode programming option.

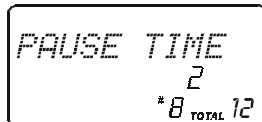


3. Press the **FLASH/EDIT** button to change the setting. "OFF" will flash.
4. Press the **UP** or **DOWN** button to toggle between On and Off.
5. When the setting you desire is displayed, press the **SAVE/MEM** button to save the setting. A double beep will sound to confirm the setting has been saved.
6. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.

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

### Changing the Pause Time

1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **{8 TUV}** key to go to the pause time programming option.



3. Press the **FLASH/EDIT** button to change the setting. "2" will begin flashing.
4. Press the **UP** or **DOWN** button to select the desired dialing delay.
5. When the setting you desire is displayed, press the **SAVE/MEM** button to save the setting. A double beep will sound to confirm the setting has been saved.
6. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.

## Caller ID System Operation

### Deleting Message Waiting Indication

Clears any current message waiting indication.

1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **{9 WXYZ}** key to go to the message waiting programming option.



MSG WAITING  
DELETE  
\*9 TOTAL 12

3. Press the **FLASH/EDIT** button to reset the message waiting indication. "DELETE" will begin flashing.
4. Press the **SAVE/MEM** button to delete the indication. A double beep will sound to confirm.
5. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.

### Turning Auto Answer On or Off

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.

1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **{0 OPER }** button to go to the auto answer programming option.



AUTO ANSWER  
On  
\*10 TOTAL 12

3. Press the **FLASH/EDIT** button to change the setting. "On" will flash.
4. Press the **UP** or **DOWN** button to toggle between On and Off.
5. When the setting you desire is displayed, press the **SAVE/MEM** button to save the setting. A double beep will sound to confirm the setting has been saved.
6. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.



## Caller ID System Operation

### Disabling the Ring for Private Calls

Turns on and off the ring for all calls where the caller has blocked their caller ID.

1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **DOWN** button twice to go to the private ring programming option.

PRIVATE RNG  
OFF  
#11 TOTAL 12

3. Press the **FLASH/EDIT** button to change the setting. "On" will flash.
4. Press the **UP** or **DOWN** button to toggle between On and Off.
5. When the setting you desire is displayed, press the **SAVE/MEM** button to save the setting. A double beep will sound to confirm the setting has been saved.
6. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.

**Note:** The phone will ring once when set to "Off" unless First Ring is also set to "Off".

### Deleting the Ring for Unavailable Calls

Turns on and off the ring for all calls where caller ID information is unavailable.

1. Press the **PROG/MUTE** button to enter the menu.
2. Press the **DOWN** button to go to the unavailable ring programming option.

UNAVAIL RNG  
On  
#12 TOTAL 12

3. Press the **FLASH/EDIT** button to change the setting. "On" will begin flashing.
4. Press the **UP** or **DOWN** button to toggle between On and Off.
5. When the setting you desire is displayed, press the **SAVE/MEM** button to save the setting. A double beep will sound to confirm the setting has been saved.
6. Continue with programming or press the **PROG/MUTE** button to return to the idle screen.

**Note:** The phone will ring once when set to "Off" unless First Ring is also set to "Off".

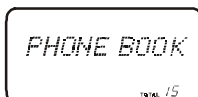
## Caller ID System Operation

### Directory

The TC970 will store up to 20 speed dial numbers in the order that they are programmed. No duplicate numbers can be stored.

### Storing Phone Numbers

1. With the handset in the idle state, press the SAVE/MEM button.



2. Press the **FLASH/EDIT** button to create a new phone book entry.
3. Enter the name you wish to store the dial pad to enter the letters (up to 15 letters). To move the cursor to the right, such as to add a space between words, press the **{#/▶}** button.
4. Press the **DOWN** button, and dial the number you wish to store (up to 16 digits). Press the **REDIAL** button to insert a dialing pause into the number.
5. Press the **SAVE/MEM** button when finished to store the number to memory.

**Note:** If there are no memory locations left in the speed dial directory this unit 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 and holding the **{◀/\*}** or **{#/▶}** buttons. To delete a flashing character, press the **DEL/RE/PA** button; to delete a flashing number, press and hold the **DEL/RE/PA** button.

### The Letter Table

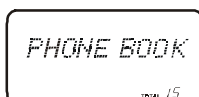
| Key | 1st Press | 2nd Press | 3rd Press | 4th Press | 5th Press | 6th Press | 7th Press | 8th Press |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1   | Space     | &         | '         | (         | )         | *         | .         | 1         |
| 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         |
| 8   | T         | U         | V         | 8         | T         | U         | V         | 8         |
| 9   | W         | X         | Y         | Z         | 9         | W         | X         | Y         |
| 0   | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |



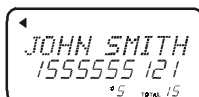
## Caller ID System Operation

### Viewing the Phone Book

1. Press the **PROG/MUTE** button to enter the menu.



2. Press the **UP** or **DOWN** button to find the number you wish to view.
3. If the name or number is more than 11 characters, press the {◀/★} or {#/▶} button to view the rest of the display (as indicated by the arrow in the top line of the display).



4. Press the **SAVE/MEM** button to exit the phone book, or let the phone book time out.

### Making Calls from the Phone Book

1. Press the **SAVE/MEM** button to enter the phone book.
2. Press the **UP** or **DOWN** button to find the number you wish to call.
3. Press the **TALK** button. The display will show the directory name, and begin dialing the number.

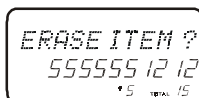


4. When you are finished with your call, press the **TALK** button, or place the handset back on the base.

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

### Deleting a Stored Number

1. Press the **SAVE/MEM** button to enter the phone book.
2. Press the **UP** or **DOWN** button to find the desired number.
3. Press the **DEL/RE/PA** button. The display will show "ERASE ITEM?".



4. Press the **DEL/RE/PA** button to delete the desired phone book record. The display will briefly show "ERASED" and return to the previous phone book entry.
5. When you are finished, press the **SAVE/MEM** button.

## Caller ID System Operation

### Editing a Stored Number

1. Press the **SAVE/MEM** button.
2. Press the **UP** or **DOWN** button to find the desired number.
3. Press the **FLASH/EDIT** button. The entry will display with a flashing prompt over the first character.
4. Move the cursor to the section you wish to edit using the **UP**, **DOWN**, {**◀** / **★**}, and {**#** / **▶**} buttons. When moving through the number field, it will be necessary to press and hold the {**◀** / **★**}, and {**#** / **▶**} buttons for more than one second until the cursor moves. Any dial key pressed will be inserted in front of the cursor.
5. To delete a character, press the **DEL/RE/PA** button. To delete a number, press and hold the **DEL/RE/PA** button for more than one second until the number is deleted.
6. When you are finished, press the **SAVE/MEM** button to store the edited record.

### Preferred Calls

You can assign stored numbers as preferred calls. When an incoming call is matched to a stored number designated as "VIP", the phone will generate a special ringer sound after the first ring (caller ID information must be received first).

1. Press the **SAVE/MEM** button.
2. Press the **UP** or **DOWN** button to find the desired record.
3. Press the **PROG/MUTE** button once. The LCD will show the "VIP" icon.
4. Press the **SAVE/MEM** button to exit the phone book.



### Block Calls

If you do not want to have the phone ring when a specific number calls, you can store that number in the phone book and assign it as blocked. When an incoming call is matched to a stored number designated as "REJ", the phone will cut the ringer sound after the first ring (caller ID information must be received first).

1. Press the **SAVE/MEM** button.
2. Press the **UP** or **DOWN** button to find the desired record.
3. Press the **PROG/MUTE** button twice. The LCD will show the "REJ" icon.
4. Press the **SAVE/MEM** button to exit the phone book.





## Caller ID System Operation

### Caller ID System

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 40 calls and stores the data in Memory.

**IMPORTANT:** You must subscribe to the Caller ID service from your local telephone company to utilize this feature.

### Viewing the Caller ID List

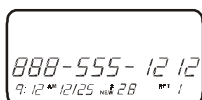
This phone automatically stores the last 40 calls received. If a call is received from the same number more than once since the records were last viewed, no new entry is made, but the repeat call icon ("RPT") and the number of repeat calls is displayed.

1. With the handset idle press **CALLS** 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 **UP** or **DOWN** button. The **UP** button will go through the calls from the first call received to the last. The **DOWN** button will allow you to view the calls from the last call received to the first.
4. Press **CALLS** button to finish.

### Caller ID Displays



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



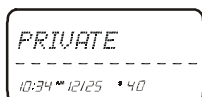
Display shows number-only service.



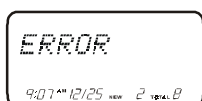
"UNAVAILABLE" will be display when Caller ID information is not available. This call was made from a telephone company that does not offer Caller ID services (including international calls).



## Caller ID System Operation

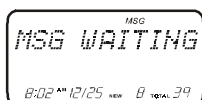


“PRIVATE” will be shown when a call is received from a blocked number. For privacy reasons, some states allow callers the option to prevent their telephone data from being displayed on the other party’s Caller ID display.

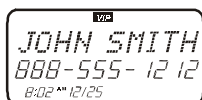


Display shows when the Caller ID information was received incorrectly or only part of the data was received.

**Note:** When an error is received, none of the data 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.

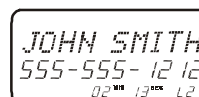


This is displayed when **CALLS** button is pressed and there is no Caller ID data stored.

### Caller ID with Call Waiting Service

In order to use the “Call Waiting Caller ID” service you must subscribe to a telephone company that offers Caller ID service combined with “call waiting” service.

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. Once flash has been pressed, an “L2” in the lower right hand corner indicates the call waiting caller ID caller so you can keep track of who you are talking to.



1. When you receive a “call waiting” call and you want to connect the call, press the **FLASH/EDIT** button. The active call will be placed on hold and the new call will be active.
2. Press **FLASH/EDIT** button to alternate between calls.
3. Press **TALK** button to end the call or place the handset back on the base.



## Caller ID System Operation

### Storing Caller ID Records

1. Press the **CALLS** button.
2. Press the **UP** or **DOWN** button to scroll to the call record you wish to store into the phone book.
3. Press the **SAVE/MEM** button.
4. The display will show "SAVED".
5. If you wish to edit the new stored number, edit it in the phone book (see "Editing a Stored Number")
6. Press the **CALLS** button to exit the Caller ID log.

**Note:** When number are stored into the phone book, a "1" is inserted in front of the number. If you must dial a 10-digit number for local calls, you must edit the number to exclude that digit to dial out correctly.

### Deleting Caller ID Records

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

#### To Delete a Single Record

1. Press the **CALLS** button.
2. Use the **UP** or **DOWN** button to scroll to the call record you wish to delete.
3. Press the **DEL/RE/PA** button.  
The display will show "ERASE ITEM?"
4. To delete the record press **DEL/RE/PA** button.
5. Press the **CALLS** button to exit the Caller ID log.

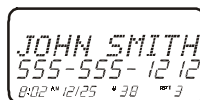
JOHN SMITH  
555-555-1212  
10:02 AM 12/25 '98

ERASE ITEM ?  
555-1212  
10:02 12/25 '98

## Caller ID System Operation

### To Delete All Records

1. Press the **CALLS** button.



JOHN SMITH  
555-555-1212  
0:02 12/25 38 3

2. Press and hold the **DEL/RE/PA** button.  
The display will show "ERASE ALL?".



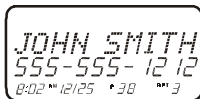
ERASE ALL?  
555-1212  
0:02 12/25 38 3

3. To delete all the Caller ID record press **DEL/RE/PA** button. The display will show "ERASE ALL" and then return to the idle display.

### Returning Caller ID Calls

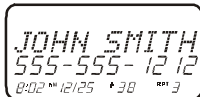
You can return calls by using the Caller ID callback feature.

1. Press the **CALLS** button.

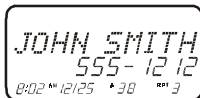


JOHN SMITH  
555-555-1212  
0:02 12/25 38 3

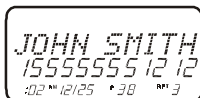
2. Use the **UP** or **DOWN** button to scroll to the call record you wish to call back.
3. If the number displayed is not correct (needing 7, 10, 11 digits), use the **OPTION** button to toggle the number to display the correct number of digits to be dialed.



JOHN SMITH  
555-555-1212  
0:02 12/25 38 3



JOHN SMITH  
555-1212  
0:02 12/25 38 3



JOHN SMITH  
15555555-1212  
0:02 12/25 38 3

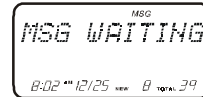
4. Press the **TALK** button to dial out the displayed number.
5. Press the **CALLS** button to cancel dialing.
6. To end the call, press **TALK** button, or place the handset back in the base.



## Caller ID System Operation

### Message Waiting

If you subscribe to voice mail from the telephone company and if there are voice messages that have been left in your voice mailbox, the display will show "MSG WAITING"



**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.

If you wish to delete the "Message Waiting" message, delete it as described in the handset setting section "Deleting the Message Waiting Indication".

### Paging the Handset

1. Press the PAGE button on the base unit. If the handset is within range, the handset will beep for 20 seconds.
2. To stop the beeping, place the handset back into the base cradle or press the TALK button on the handset.

### Out-of-Range Warning

If you venture too far from the base, the handset will beep and the display will show "OUT RANGE". Reverse your direction to re-establish connection with the base or the call will be dropped. When the base detects that the handset has been out of range for 20 continuous seconds it will release the engaged line. If you try to access the line when the handset is out of range of the base, the display will show "TRAY AGAIN".

### Channel Changing

If you are experiencing interference during a telephone call, press the SCAN button to select the clearest channel to provide the best possible reception.



## **Problem Solving Section**

### **Problem Solving Section**

For your assistance, we have listed below a few common problems.

#### **Phone does not work, check the following:**

1. Base unit is plugged into a power source.
2. Handset is charged.
3. TONE/PULSE Select Switch is in the right position.
4. TELEPHONE LINE CORD is plugged into the TELEPHONE JACK.

#### **Range of phone limited, check the following:**

1. Base unit is centrally located in your residence.
2. Base unit is not located near appliances.

#### **No dial tone, check the following:**

1. Telephone line cord plugs are connected to the TELEPHONE JACK and TELEPHONE LINE CONNECTION JACK.
2. Base unit is plugged into a power source.
3. If you had a power failure or had unplugged the base unit, replace the handset on the base unit for 2 to 5 seconds to reset the system.

#### **Received signal flutters or fades, check the following:**

1. Batteries in the handset is fully charged.
2. Handset is not too far from the base unit.

#### **Interference on reception, check the following:**

1. Noise may be picked up from electrical products in the home or electrical storms. Generally, this noise is a minor annoyance and should be interpreted as a defect in your system.
2. Choose an alternate channel using the SCAN button on the handset.

#### **Long Distance "L-D-C" indicator si not ON when receiving a long distance call, check the following:**

1. Your local telephone company can provide the Area Code on an incoming long distance call.



## ***Problem Solving Section***

***If after pressing the talk button, you receive three “beep” and no dial tone, check the following:***

1. Base unit is plugged into a power source.
2. If you had a power failure or had unplugged the base unit, replace the handset on the base unit for 2 to 5 seconds to reset the system.

### **NOTE:**

If none of the telephones in the house are working, disconnect one set at a time to verify that none of the phones are causing the problem. If you still have a problem after doing this, and your telephone still does not work, please contact your local phone company.



## Technical Information

### Technical Information

This cordless telephone 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

Electrical pulse noise is present in most homes at one time or another. This noise is most intense during electrical storms. Certain kinds of electrical 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 frequency is used, the location of the base unit can affect the operating range. Try several locations in your home or office and pick the one that gives you the clearest signal to the handset.

### Interference

Electronic circuits activate a relay to connect the cordless telephone to your telephone line. These electronic circuits operate in the radio frequency spectrum. While several protection circuits are used to prevent unwanted signals, these may be periods when these unwanted signals enter the base unit. You may hear clicks or hear the relay activate while you are not using the handset. If the interference occurs frequently, it can be minimized or eliminated by lowering the height of your base unit antenna or by relocating the base unit. You can check for interference before selecting the final base unit location by plugging in the telephone.

### NOTICE:

This cordless telephone uses radio communication between the handset and the base unit and may not ensure privacy of communication. Other devices, including other cordless telephones, may interfere with the operation of this cordless telephone or cause noise during operation. Units not contacting coded access may be accessed by other radio communication systems. Cordless telephones must not cause interference to any licensed radio service.



## FCC Requirements



### 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 Part 68 of the FCC rules. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, provide this information to our 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 REN'S 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 provided advance notice as give you an opportunity to maintain uninterrupted service.
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.)
7. A FCC compliant telephone cord and modular plug is provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack which is Part 68 compliant. See Installation Instructions for details.
8. Please follow instructions for repairing if repairing if any (e.g. battery replacement section), otherwise do not alternate or repair any parts of device except specified.
9. The USOC number of the registration jack for this equipment is RJ11C.



## **FCC Requirements**



### **INDUSTRY CANADA CERTIFIED**

#### **RINGER EQUIVALENCE NUMBER**

**NOTICE:** The ringer equivalence number (REN) assigned to each terminal device provides an indication of the 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.

#### **INDUSTRY CANADA**

**NOTICE:** The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications 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 repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alteration made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment. Users 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 important in rural areas.



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



## FCC Requirements

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 in to 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.

Changes or modifications not expressly approved in writing by  **CURTIS** may 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. If interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.

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

Service can be obtained at:

Curtis International Ltd,  
C/o Vision Transportation  
4600, Witmer Industrial Estate  
Unit 12, Niagara Falls, N. Y. 14305, USA  
Tel: 1-800-968-9853

 **AC ADAPTOR: Use only with class 2 Power Source, 9V DC output, 300mA, center pin positive.**

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