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Introduction

Installing and
Adjusting

Using Your
New Phone

Troubleshooting

Specifications

IMPORTANT SAFETY INSTRUCTIONS

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

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. Use a dry cloth for cleaning without liquid or aerosol cleaners.
4. Do not use this product near water; for example, near a bath tub, 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 telephone may fall, causing serious damage to the unit.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation. To protect the product from overheating, these openings must not be blocked or covered. 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 damaged by persons walking on it.
9. Do not overload wall outlets and extension cords, as this can result in the risk of fire or electrical 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. Take it to qualified service personnel when 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 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 when following the operating instructions. (Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive repair work by a qualified technician.)
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance.
13. Do not use the telephone to report a gas leak in the vicinity of the leak.

▼ *Additional Battery Safety Precautions*

Caution! To reduce the risk of fire or injury to persons by the battery, read and follow these instructions:

1. Use only the appropriate type and size battery pack specified in the reference guide.
2. Do not dispose of the battery pack in a fire. The cell may explode.
3. Do not open or mutilate the battery pack. 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 materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
5. Charge the battery pack provided with or identified for use with this product only in accordance with the instructions and limitations specified in the reference guide provided for this product.
6. Observe proper polarity orientation between the battery pack and battery charger.

▼ *Cordless Telephone Privacy*

Note! Cordless telephones are radio devices. Communications between the handset and base of your cordless telephone are accomplished by means of radio waves which are broadcast over the open airways. Because of the inherent physical properties of radio waves, your communications can be received by radio receiving devices other than your own cordless telephone unit. Consequently, any communications using your cordless telephone may not be private.

WELCOME

Congratulations on your purchase of the Citizen JRT 2002 telephone. This phone is designed for reliability, long life, and outstanding performance.

FEATURES

- 900 MHz Technology
- 3-line Backlit Display
- Face Up/Face Down Charging
- 32 Digit Redial
- Page
- Handset Earpiece and Ringer Volume Control
- Call Waiting Caller ID
- 30 Number Caller ID Memory
- 10 Memory Dial Locations
- Pulse/Tone Dialing
- 7 Hour Talk Time
- Hearing Aid Compatible

The JRT 2002 features include *AutoTalk™* and *AutoStandby™*. AutoTalk allows you to answer a call by just removing the handset from the base so you don't have to waste time pushing buttons or flipping switches. AutoStandby allows you to hang up by simply returning the handset to the base.

The *UltraClear Plus* true compander circuitry virtually eliminates background noise. This innovative technology, together with 40 different channels, provides you with the best possible reception during all your conversations.

To protect you against misbilled calls which might result from your phone being activated by other equipment, the JRT 2002 has *Random Code™* digital security which automatically selects one of over 65,000 digital security codes for the handset and base. Also, the *AutoSecure™* feature electronically locks your phone when the handset is in the base.

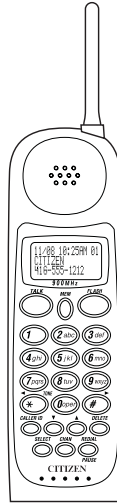
To get the most from your phone, please read this reference guide thoroughly. Also, be sure to complete the product registration form and mail it in.

AutoTalk, AutoStandby, Random Code, and AutoSecure are proprietary trademarks of Uniden America Corporation.

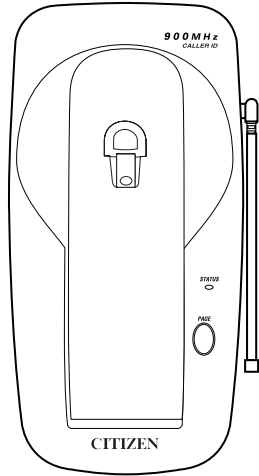
INCLUDED IN YOUR PACKAGE

TIP

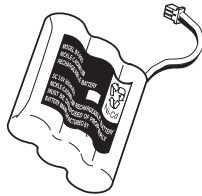
To get the most from your phone, please read this reference guide thoroughly.



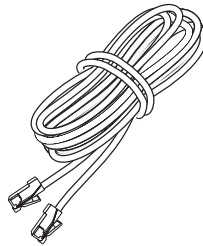
Handset



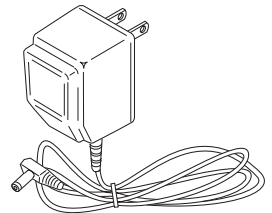
Base



Rechargeable Battery



Telephone Cord



AC Adapter



WARNING

Please do not attempt to unplug any appliance during an electrical storm.

IMPORTANT ELECTRICAL CONSIDERATIONS

Unplug all electrical appliances when you know an electrical storm is approaching. Lightning can pass through your household wiring and damage any device connected to it. This phone is no exception.

Industry Canada Wants You To Know

Changes or modifications to this product not expressly approved by the manufacturer, or operation of this product in any way other than as detailed by the reference guide, could void your authority to operate this product. The equipment cannot be used on public coin phone service provided by the telephone company.

Range

Your new phone is designed to achieve the maximum possible range by transmitting and receiving according to the highest specifications set forth by Industry Canada. We have rated this phone to operate at a maximum distance with the qualification that the range depends upon the environment in which the telephone is used. Many factors limit range, and it would be impossible to include all the variables in our rating. The Maximum Range rating of this phone is meant to be used as a means of comparison against other range claims.

Telephone Line Problems

Industry Canada has granted the telephone company the right to disconnect service in the event that your phone causes problems on the telephone line. Also, the telephone company may make changes in facilities and services which may affect the operation of your unit. However, your telephone company must give adequate notice in writing prior to such actions to allow you time for making necessary arrangements to continue uninterrupted service.

If you are having trouble with your telephone service, you must first disconnect your phone to determine if it is the cause of your problem. If you determine that it is the cause, you must leave it disconnected until the trouble has been corrected.

Radio Interference

Radio interference may occasionally cause buzzing and humming in your cordless handset, or clicking noises in the base. This interference is caused by an external source such as a TV, refrigerator, vacuum cleaner, fluorescent lighting, or electrical storm. Your unit is NOT DEFECTIVE. If these noises continue and are too distracting, please check around your home to see what appliances may be causing the problem. In addition, we recommend that the base not be plugged into a circuit that also powers a major appliance because of the potential for interference. Be certain the antenna is kept in the vertical position.

In the unlikely event that you consistently hear other voices or distracting transmissions on your phone, you may be receiving radio signals from another cordless telephone or other source of interference. If you cannot eliminate this type of interference, you need to change to a different channel.

Finally, it should be noted that some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near 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.

More Than One Cordless Telephone

If you want to use more than one cordless telephone in your home, they must operate on different channels. Press the channel key to select a channel that provides the clearest communication.

INSTALLATION CONSIDERATIONS

Selecting a Location

Before choosing a location for your new phone, there are some important guidelines you should consider:

- The location should be close to both a phone jack and continuous power outlet. (*A continuous power outlet is an AC outlet which does not have a switch to interrupt its power.*)
- Keep the base and handset away from sources of electrical noise such as motors or fluorescent lighting.
- Be sure there is sufficient space to fully extend the base antenna.
- The base can be placed on a desk or tabletop or mounted on a standard wall plate.
- You should charge your new phone for 15-20 hours before completing the installation or using the handset.



Telephone Line Outlets

There are two types of phone outlets:

▼ *Modular Jack*

Most phone equipment available now uses modular jacks. Phone cords are fitted with a molded plastic connector which plugs into this type of jack. If you do not have modular phone jacks, contact your local telephone company for information about their installation.

▼ *Hardwired Jack*

Some equipment is wired directly to a phone jack, and these types of installations require a modular jack converter. This type of installation is not difficult; however, you should contact your local telephone dealer or a telephone supply store for advice about the proper adapter or converter for your particular situation.



Place the power cord so that it does not create a trip hazard or where it could become chafed and create an electrical hazard or fire.



Before using your phone, fully charge the Nickel-Cadmium battery pack for 15-20 hours.

Connecting the Telephone Cords

Consider these safety guidelines before connecting the telephone cords:

Caution!

- Never install telephone wiring during a lightning storm.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected.
- Use caution when installing or modifying telephone lines.

Applying Power to the Base

This phone requires an AC outlet, without a switch to interrupt power, and the included AC adapter. To relieve strain on the DC plug when the phone is placed on a desk or table, wrap the power cord around the strain relief notch on the bottom of the base.

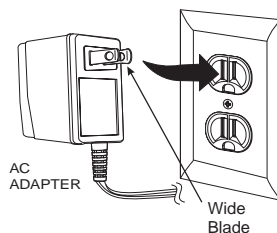
ADAPTER SAFETY FEATURES

If the AC adapter furnished with this phone has a polarized line plug (a plug having one blade wider than the other), this plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug.

Do not alter the shape of the blades of the polarized plug!

NOTE: If you cannot plug the AC adapter into the outlet, contact someone about replacing the outlet.

Plug the AC Adapter into a standard 120 VAC wall outlet. Do not use an outlet controlled by a wall switch. Use only the AC Adapter supplied with this phone.





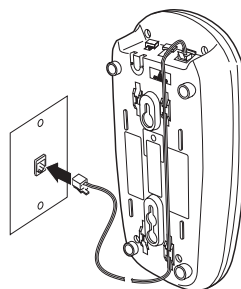
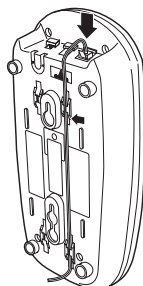
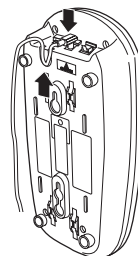
When choosing a location for your phone, keep the base unit and the handset away from electrical noise caused by objects like motors and fluorescent lighting.



Before you plug the other end of the telephone cord into the modular jack on the wall, charge the battery (refer to “Charging the Battery Pack,” page 18).

DESK/TABLETOP INSTALLATION

- 1) Plug the AC adapter cord into the DC input jack on the back of the base, then place the AC adapter cord inside the molded strain relief.
- 2) Plug one end of the long telephone cord into the **TEL LINE** jack on the base, then place the telephone cord into the right molded channel cord holder.
- 3) Plug the other end of the long telephone cord into the telephone wall jack. (*Remember, the phone must be fully charged before you can use it.*)



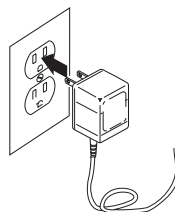


Place the power cord so that it does not create a trip hazard or where it could become chafed and create an electrical hazard or fire.



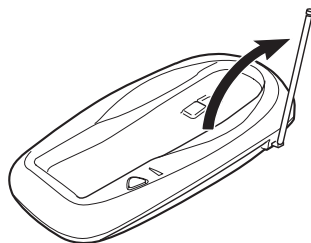
Before using your phone, fully charge the Nickel-Cadmium battery pack for 15-20 hours.

- 4) Plug the AC adapter into a standard 120 VAC wall outlet.



Use only the AC adapter supplied with this phone and DO NOT use an outlet controlled by a wall switch.

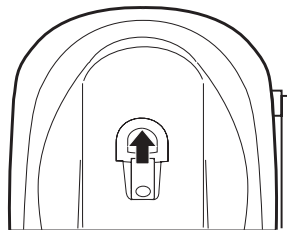
- 5) Raise the antenna to a vertical position.



WALL INSTALLATION

▼ *Setting the Handset Retainer for Wall Mounting*

- 1) Remove the handset retainer on the base by sliding it upward.



- 2) Flip the handset retainer over so the tab is facing up.



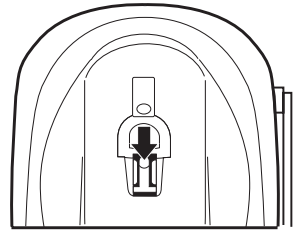


DO NOT use an outlet controlled by a wall switch.



Before you plug the other end of the telephone cord into the modular jack on the wall, charge the battery (refer to "Charging the Battery Pack," page 18).

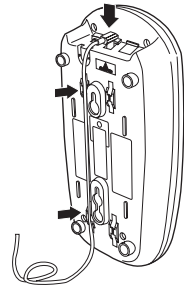
- 3) Slide the handset retainer back onto the base.



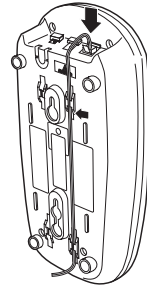
▼ *Standard Wall Plate Mounting*

This phone can be mounted on any standard wall plate.

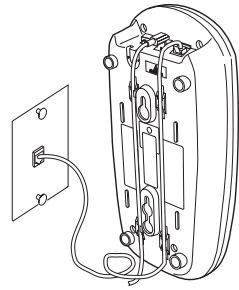
- 1) Plug the AC adapter into the DC input jack on the back of the base, then place the AC adapter cord inside the left molded channel cord holder.



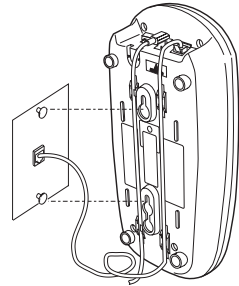
- 2) Plug a short telephone cord into the **TEL LINE** jack on the base, then place the telephone cord inside the right molded channel cord holder.



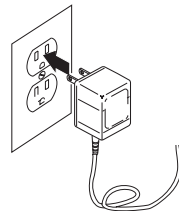
- 3) Plug the other end of the cord into the wall jack. (*Remember, the phone must be fully charged before you can use it.*)



- 4) Place the base on the two posts of the wall plate and slide it downward to secure.



- 5) Plug the AC adapter into a standard 120 VAC wall outlet that is not controlled by a wall switch.



- 6) Raise the antenna on the base.

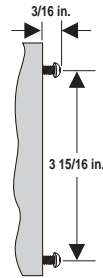


▼ *Direct Wall Mounting*

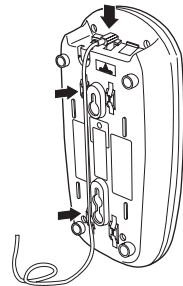
If you don't have a standard wall plate, you can mount your phone directly to the wall. Before mounting your cordless telephone, consider the following:

- Select a location away from electrical cables, pipes, or other items behind the mounting location. Inserting screws into areas such as this can be hazardous.
- Try to mount your phone within 10 - 15 feet of a working phone jack in order to avoid excessive cord length. Remember, you are not mounting your phone to a wall plate with a built-in phone jack.
- If the selected mounting area has no wooden support beams directly behind it, you will need the appropriate anchoring devices in order for the wall to properly support your phone.

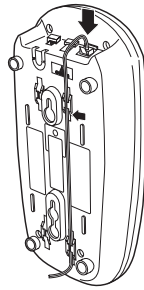
- 1) Insert two mounting screws into the wall, with their appropriate anchoring device if necessary, 3-15/16 inches apart. Allow about 3/16 of an inch between the wall and screw heads for mounting the phone.



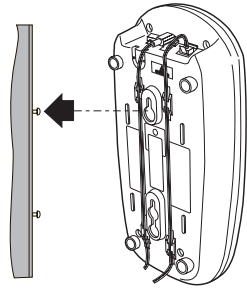
- 2) Set the handset retainer. (*Refer to "Setting the Handset Retainer for Wall Mounting" on page 11.*)
- 3) Plug the AC adapter into the DC input jack on the back of the base and place the cord inside the left molded channel cord holder.



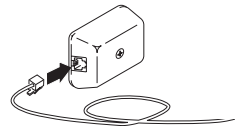
- 4) Plug one end of the long telephone cord into the **TEL LINE** jack on the back of the base and place the telephone cord into the right molded channel cord holder.



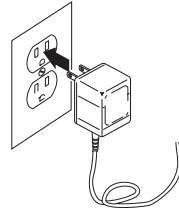
- 5) Place the base on the screws and push it downward to secure.



- 6) Plug the other end of the telephone cord into the wall jack.



- 7) Plug the AC adapter into a standard 120 VAC wall outlet that is not controlled by a wall switch.

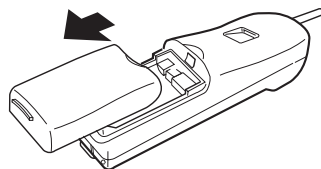


- 8) Raise the antenna on the base.

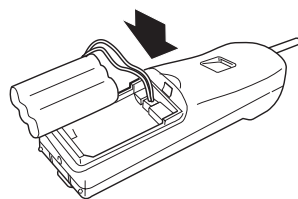


INSTALLING THE HANDSET BATTERY PACK

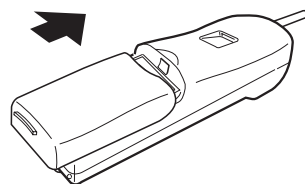
- 1) Remove the handset battery cover by pressing in on the cover release and sliding it downward.



- 2) Plug the battery's cable into the handset.



- 3) Slide the battery cover on until it snaps into place.



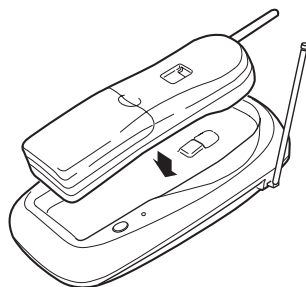
Use only the battery (BT-905) supplied with your phone.

CHARGING THE BATTERY PACK

▼ Initial battery charging

Before plugging the phone line into your new phone for the first time, fully charge the rechargeable battery pack for 15-20 hours *without interruption*.

- 1) Place the handset on the base.
- 2) Make sure that **STATUS** LED lights. If the LED doesn't light, check to see that the AC adapter is plugged in and that the handset makes good contact with the base charging contacts.



NOTE

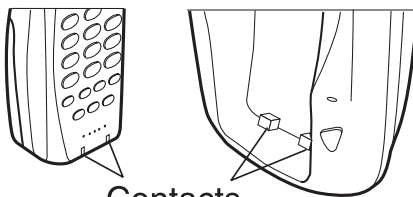
Rechargeable batteries have a "memory effect" that can reduce standby and talk time. To avoid this memory effect, on a monthly basis use the phone until the low battery indicator appears. Then charge the battery for 15-20 hours.

▼ Low battery indicator

When the battery pack is very low and needs to be charged, the phone is programmed to eliminate functions in order to save power. The handset beeps. Complete your conversation as quickly as possible and return the handset to the base for charging.

CLEANING THE BATTERY CONTACTS

To maintain a good charge, clean all charging contacts on the handset and base about once a month with a pencil eraser or other contact cleaner. DO NOT use liquids or solvents; you may damage your phone.



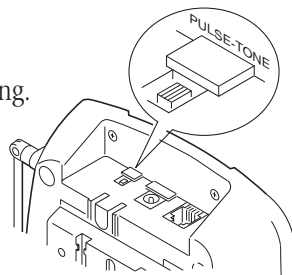
Contacts

TIP

Most phone systems use tone dialing. Check with your local phone company if you're not sure whether your system is tone or pulse.

SETTING THE PULSE/TONE SWITCH

Be sure the **PULSE/TONE** switch is in the **TONE** position unless your local phone system uses pulse dialing.



ADJUSTING THE RINGER AND VOLUME CONTROLS

▼ Handset Ringer Tone and Volume

Your JRT 2002 lets you choose from two ringer tones, Type A and Type B. Each tone has a low and high volume setting. When the phone is in standby mode, press the ▲ or ▼ key on the handset to select the handset ringer tone and volume. As you change the settings, the selection appears on the LCD.

Ring Type B
High

▼ Handset Earpiece Volume

The JRT 2002 comes with four volume settings for the handset earpiece - normal, medium, high and loud. The Loud setting is especially useful in places with a lot of background noise, or for the hearing impaired.

Normal, Medium, High

During a call, press ▲ to increase the earpiece volume, press ▼ to decrease the earpiece volume. As you increase or decrease the volume, your selection appears on the LCD.

<High>

When you hang up, the JRT 2002 keeps the last volume setting selected.

NOTE

You can only adjust the volume settings during a call.

Loud

During a call, press and hold ▲ for two seconds. Your selection appears on the LCD.

<Loud>

The JRT 2002 **does not** keep the Loud volume setting when you hang up, but returns to the normal setting to avoid any hearing discomfort for the next person using the phone.

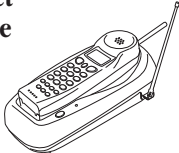

AUTOMATIC DIGITAL CODE SECURITY

To prevent other parties from making unauthorized calls on your phone line, a digital code was added to the JRT 2002. Your phone's handset and base share this code, which is randomly set each time you place the handset in the charging cradle.

To reestablish communication between the handset and the base in the event of a power failure:

- 1) Restore power to the base.
- 2) Place the handset on the base and press **PAGE**.
- 3) Pick up the handset from the base.
- 4) Return the handset to the base. The **STATUS** LED blinks to indicate that the digital security code is reset.

MAKING AND RECEIVING CALLS

	Handset On Base 	Handset Off Base 
To answer a call	Pick up the handset (AutoTalk) or press TALK .	Press any button (Autotalk) or press TALK .
To make a call	1) Pick up the handset. 2) Press TALK . 3) Listen for the dial tone. 4) Dial the number. OR 1) Pick up the handset. 2) Dial the number. 3) Press TALK .	1) Press TALK . 2) Listen for the dial tone. 3) Dial the number. OR 1) Dial the number. 2) Press TALK .
To hang up	Press TALK , or return the handset to the base (AutoStandby).	
To redial	1) Pick up the handset. 2) Press TALK . 3) Listen for the dial tone. 4) Press REDIAL . OR 1) Pick up the handset. 2) Press REDIAL . 3) Press TALK .	1) Press TALK . 2) Listen for the dial tone. 3) Press REDIAL . OR 1) Press REDIAL . 2) Press TALK .

NOTE

Whenever you are using a menu screen, you must press a key within 20 seconds or the phone will return to standby. You may also press **MEM** to exit a memory menu at any time.

HINT

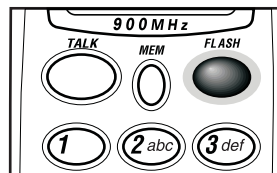
The character menu consists of letters, symbols, and numbers.

NOTE

The pause button counts as one digit. Pressing **PAUSE** more than once increases the length of pause between numbers.

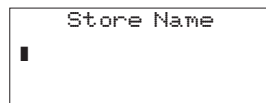
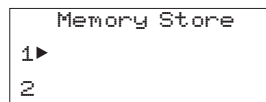
FLASH AND CALL WAITING

If you have “call waiting” service and a call waiting tone sounds while you are on a call, press **FLASH** to accept the waiting call. There is a short pause, then you will hear the new caller. To return to the original caller, press **FLASH** again.

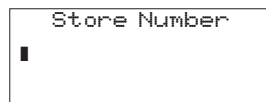


STORING A PHONE NUMBER IN MEMORY

- 1) Remove the handset from the base.
- 2) Press and hold **MEM** for two seconds. The following screen appears.
- 3) Use the ▲ and ▼ keys or number keypad to choose the memory location where you would like to enter a number.
- 4) Press **SELECT**. The following screen appears, and a cursor flashes indicating that the display is ready for the name to be entered.



- 5) Use the ▲ and ▼ keys to scroll through the character menu. Use the ◀ and ▶ keys to move the cursor to the desired location, and enter the name.
- 6) If you make a mistake, press **DELETE** to erase the character you just entered. Or press and hold **DELETE** to erase the entire line.
- 7) Press **SELECT**. The following screen appears, and a cursor flashes indicating that the display is ready for the number.



- 8) Enter the phone number with the handset keypad.

NOTE

*When entering numbers, press **PAUSE** to enter a pause in the dialing sequence. The display shows a P. The pause feature is useful for long distance calling, credit card dialing, or sequences requiring a pause between digits.*

NOTE

Whenever you are using a menu screen, you must press a key within 20 seconds or the phone will return to standby. You may also press **MEM** to exit a memory menu at any time.

NOTE

If you select **Go Back** at any time, no changes are made and the handset shows the Memory Store screen.

- 9) Press **SELECT**. The handset beeps and displays a confirmation screen. For example, if you store a name and number into memory location number one, the display shows **Memory 1 Stored**.

Memory 1 Stored

- 10) Press **MEM** or return the handset to the charging cradle to exit store mode. Or, wait 20 seconds for the phone to return to standby.

EDITING A PHONE NUMBER IN MEMORY

Follow these steps to edit a phone number that you have already programmed into memory.

- 1) Remove the handset from the base.
- 2) Press and hold **MEM** for two seconds. The display shows the Memory Store screen and any saved numbers.
- 3) Use the ▲ and ▼ keys or number keypad to select the memory location you would like to edit. The ◀ and ▶ keys toggle between the names display and the numbers display.
- 4) Press **SELECT**. The following screen appears with the memory location number that you have selected in the display

Memory Store
1 ▶ KAYSIE SCHLITZ
2 CITIZEN

▶ Edit Memory 1
Delete Memory 1
Go Back

NOTE

*You may move the ▶ cursor down to Go Back and press **SELECT** if you would like to exit this menu.*

- 5) With ▶ cursor next to **Edit Memory**, press **SELECT**. The following screen appears, and a cursor flashes indicating that the display is ready for the name to be edited.

Store Name
KAYSIE SCHLITZ

- 6) Use the ▲ and ▼ keys to scroll through the character menu. Use the ◀ and ▶ keys to move the cursor to the desired location, and enter the name.

- 7) Press **SELECT**. The following screen appears, and a cursor flashes indicating that the display is ready for the number to be edited.

Store Number
4165551212

- 8) Enter the phone number with the number keypad.

- 9) Press **SELECT**. The handset beeps and displays a confirmation screen. For example, if you store a name and number into memory location number one, then the handset shows **Memory 1 Stored**.

Memory 1 Stored

- 10) The display then returns to the Memory Store screen. You may select another number to edit (return to step 3) or you may press **MEM** to return to standby.

ERASING A NUMBER FROM MEMORY

Use these steps to erase a programmed number from memory. Once a number is erased, that memory location may be programmed with a new number.

- 1) Remove the handset from the base.
- 2) Press and hold **MEM** for two seconds. The handset shows the Memory Store screen with any saved numbers displayed.

Memory Store
1► KAYSIE SCHLITZ
2 CITIZEN

- 3) Use the ▲ and ▼ keys or number keypad to select the memory location you would like to delete. The ◀ and ▶ keys toggle between the names display and the numbers display.
- 4) Press **SELECT**. The following screen appears with the memory location number that you have selected in the display.

► Edit Memory 1
Delete Memory 1
Go Back

- 5) Use the ▼ key to move the ► cursor down to the **Delete Memory** command.

Edit Memory 1
► Delete Memory 1
Go Back

HINT

Use the ◀ and ▶ keys to toggle between the names and the numbers displayed in memory.

NOTE

If you select **Go Back** at any time, no changes are made and the handset shows the Memory Store screen.

NOTE

If you select **No**, no changes are made and the handset shows the Memory Store screen.

NOTE

Whenever you are using a menu screen, you must press a key within 20 seconds or the phone will return to standby. You may also press **MEM** to exit a memory menu at any time.

- 6) Press **SELECT**. The following confirmation screen appears.

Delete Memory?
Yes
▶ No

- 7) Use the ▲ key to move the ▶ cursor to the **Yes** command.

- 8) Press **SELECT**. There is a confirmation tone, and the handset displays **Memory 1 Deleted**.

Memory 1 Deleted

- 9) The display then returns to the Memory Store screen. You may select another number to delete (return to step 3) or you may press **MEM** to return to standby.

USING MEMORY DIALING

Follow the steps below to dial a number using a programmed memory location.

- 1) Press **MEM**. The handset displays your programmed memory locations.

1▶ KAYSIE SCHLITZ
2 CITIZEN
3 Grandma

- 2) Use the ▲ and ▼ keys or the number keypad to select the memory location you would like to dial.

1 KAYSIE SCHLITZ
2▶ CITIZEN
3 Grandma

- 3) Press **TALK** and the number dials.

NOTE

*If you already know the memory location of the number you wish to dial, press **TALK** then **MEM** and the memory location. The phone will automatically dial the number.*

CHAIN DIALING

On certain occasions after dialing a number, you may be requested to enter an access code, such as your account number. You can enter this number into a memory location for later use by doing the following.

- 1) Store the access code into one of the memory locations (0-9). See “Storing A Phone Number in Memory” (page 22).
- 2) Dial the party or service main number.
- 3) When you need to enter the special number, press **MEM** followed by the memory location (0-9).

USING CALLER ID

You must subscribe to Caller ID from your phone company in order to use this feature.

▼ *Setting Up Caller ID Options*

There are three Caller ID setup options available; Autotalk, CIDCW, and Area Code.

AutoTalk allows you to answer the phone without pressing the **TALK** button. If the phone rings when Autotalk is on, simply remove the handset from the cradle and the phone automatically answers the call. If the phone rings when Autotalk is off, you must press **TALK** to answer the call. This option is useful to help you screen your calls more effectively.

CIDCW (Caller ID on Call Waiting) performs the same as regular Caller ID on a call waiting number. **You must subscribe to CIDCW from your phone company in order to use this feature.**

If you enter your 3-digit area code number in the Area Code option, your local area code does not appear in Caller ID messages. When reviewing Caller ID messages, you will see only the local seven digit number. For calls received from outside your local area code, you will see a full 10-digit number.

NOTE

You must subscribe to CIDCW from your phone company in order to use this feature.

NOTE

If your calling area requires 10-digit dialing, do not program this option.

HINT

You may use the ◀ and ▶ keys to toggle between numbers when programming the area code.

NOTE

If you have no New Caller ID Messages, then the "New" display is blank. Only the "Total" display appears.

NOTE

Once a Caller ID message has been viewed, it is no longer considered a new message.

To change your Caller ID options:

- 1) Press and hold **CALLER ID** for two seconds. The following screen appears.

1▶Auto Talk :	Off
2 CIDCW	:On
3 Area Code :	

- 2) Use the ▲ and ▼ keys to move the cursor to the selection that you would like to change. Press the **SELECT** key to toggle between On and Off for Autotalk and CIDCW. Press **SELECT** and use the number keypad to enter or change the area code, then press **SELECT** again. (You hear a confirmation tone indicating the area code has been changed.)
- 3) After you have made your selections, press **CALLER ID** and return the handset to the base. The **STATUS** LED flashes, indicating that your setup changes are now effective.

▼ Screening Your Calls

Caller ID allows you to review caller information before you answer your phone. When the phone rings, the display shows the date, time, name, and phone number of the caller. If your Caller ID service is number only, then the name does not appear on the second line.

12/21 12:30PM
Schlitz Kaysie
416-555-1212

If a name or number is not available, the display will show a message such as **Incomplete Data**, **Private Number**, **Private Name**, etc.

▼ Using CIDCW (Caller ID on Call Waiting)

- 1) During a call when you hear the Caller ID tone, check the handset for the name and number of the incoming caller.
- 2) Press **FLASH** to accept the incoming call. See page 22 for additional information.

NOTE

If you have no Caller ID messages, then the total is shown as 00.

NOTE

Your phone stores the most recent 30 numbers in Caller ID memory. If the memory is full, a new call replaces the oldest number.

HINT

For long distance dialing, press **1** to add a 1 to the number in the display.

▼ Reviewing Caller ID Numbers

Your phone stores the most recent 30 numbers in Caller ID memory. If the memory is full, a new call replaces the oldest number. To review your Caller ID numbers, follow the steps below.

- 1) Press **CALLER ID**, and the Caller ID summary screen appears. The screen shows the number of new callers and the total number of callers stored in Caller ID memory. (This screen appears on the display whenever the handset is face up in the base.)

New : 01
Total : 02

- 2) Press ▼ to scan through the list. The most recent call appears first, with the date, time, call count, name, and phone number. Press ▲ to scan back through the list.

12/21 12:30PM 03
Schlitz Kaysie
416-555-1212

- 3) Once you have reviewed your oldest call, the following screen appears. Press **CALLER ID** to return to standby.

End

NOTE

Once you have viewed all of your Caller ID numbers and reached the "End" display, the list does not cycle back to the beginning. You must press ▲ to view your previous calls.

▼ Calling a Caller ID Number

- 1) Press **CALLER ID**, and the Caller ID summary screen appears. The screen shows the number of new callers and the total number of callers stored in Caller ID memory.
- 2) Select the number that you would like to dial. Press ▼ to scan forward and ▲ to scan back through the list.

New : 01
Total : 02

- 3) Press **TALK** and the number automatically dials.

12/21 12:30PM 03
Schlitz Kaysie
416-555-1212

▼ *Storing a Caller ID Number Into a Memory Location*

- 1) Press **CALLER ID**, and the Caller ID summary screen appears. The screen shows the number of new callers and the total number of callers stored in Caller ID memory.

New : 01
Total : 02

- 2) Press ▼ or ▲ to find the number that you would like to store, then press **MEM** to store the selection.

12/21 12:30PM 03
Schlitz Kaysie
416-555-1212

- 3) The select location screen appears. Use the ▲ and ▼ keys to select a blank memory location where you would like to store the number. (If you want to replace an existing number with the Caller ID number, skip to step 5.)

Select Location
1► KAYSIE SCHLITZ
2 CITIZEN

NOTE

If you select **No**, then the Caller ID screen returns.

- 4) Press **SELECT**. A confirmation tone sounds, and the number is programmed. (Do not complete steps 5 and 6.)
- 5) If you choose to replace an existing number with the Caller ID number, press **SELECT**, and the following screen appears.
- 6) Use the ▲ key to move the cursor to **Yes** and press **SELECT**. A confirmation tone sounds, and the number is programmed.

Replace Memory?
Yes
► No

▼ *Deleting a Caller ID Number*

To delete a single Caller ID message, follow the steps below.

- 1) Press **CALLER ID**, and the Caller ID summary screen appears. The screen shows the number of new callers and the total number of callers stored in Caller ID memory.

New : 01
Total : 02

- 2) Select the number that you would like to delete. Press ▼ to scan forward and ▲ to scan backwards through the list.

12/21 12:30PM 03
Schlitz Kaysie
416-555-1212

- 3) Press **DELETE**, and the following screen appears.

```
Delete Message?  
► Yes  
No
```

- 4) Press **SELECT** or **DELETE**. A confirmation tone sounds and the Caller ID screen returns with the next message displayed.

- 5) After you have deleted all Caller ID number, the display shows **End**. Press **CALLER ID** to return to standby.

```
End
```

▼ *Deleting All Caller ID Numbers*

To delete all of your Caller ID numbers, follow the steps below.

- 1) Press **CALLER ID**, and the Caller ID summary screen appears. The screen shows the number of new callers and the total number of callers stored in Caller ID memory.

```
New : 01  
Total : 02
```

- 2) Press **DELETE**, and the following screen appears.

```
Delete All?  
Yes  
► No
```

- 3) Use the **▲** key to move the cursor to **Yes**, then press **SELECT** or **DELETE**.

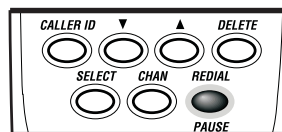
- 4) A confirmation tone sounds, and the following screen appears.

- 5) Press **CALLER ID** to return to standby.

```
Total:00
```

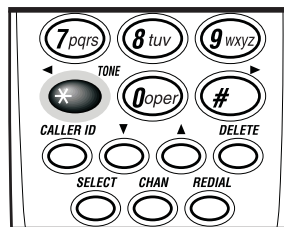
USING REDIAL

REDIAL calls the last number dialed. The number redialed can be up to 32 digits long.



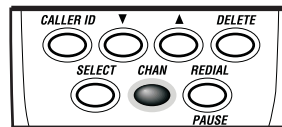
USING THE TONE FEATURE

If you are dialing in the pulse mode and need to enter tone digits, press **TONE** to enter the digits. Once the call has ended, the tone mode is canceled and pulse dialing resumes. The tone feature applies only when the base unit is set to pulse.

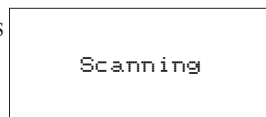


SELECTING A DIFFERENT CHANNEL

If you encounter interference while using your phone, you can manually change the channel for clearer operation. This function works only when the phone is in use.



The **CHAN** button on the handset allows you to choose between 40 set channels. During the course of a conversation, if you hear static or noise which makes it difficult to hear, press **CHAN**. The following screen appears and the phone changes to a different channel.



TRAVELING OUT-OF-RANGE

During a call, as you begin to move too far from your base unit, noise increases. If you pass the range limits of the base unit, your call will terminate within 20 seconds.

QUICK REFERENCE CHART

If your phone is not performing to your expectations, please try these simple steps.

PROBLEM	SUGGESTION
<i>The charge light won't come on when the handset is placed in the base.</i>	<ul style="list-style-type: none"> • Make sure the AC adapter is plugged into the base and wall outlet. • Make sure the handset is properly seated in base. • Make sure the charging contacts on the handset and base are clean.
<i>The audio sounds weak and/or scratchy.</i>	<ul style="list-style-type: none"> • Make sure that the base antenna is in a vertical position. • Press CHAN to help eliminate background noise. • Move the handset and/or base to a different location away from metal objects or appliances and try again.
<i>Can't make or receive calls.</i>	<ul style="list-style-type: none"> • Check both ends of the base telephone line cord. • Make sure the AC adapter is plugged into the base and wall outlet. • Disconnect the AC adapter for a few minutes, then reconnect it. • Reset security code (see page 20).

PROBLEM	SUGGESTION
<p><i>The handset doesn't ring or receive a page.</i></p>	<ul style="list-style-type: none"> • The Nickel-Cadmium battery pack may be weak. Charge the battery on the base unit for 15-20 hours. • The handset may be too far away from the base unit. • Place the base unit away from appliances or metal objects. • Reset security code (see page 20).

GENERAL

Frequency control:	PLL
Modulation:	DBPSK
Operating temperature:	-10° to 50° C (+14° F to +122° F)

BASE

Frequency:	925.997 to 927.947 Mhz (40 channels)
Power requirements:	9 V 210 mA, or 9 V 180 mA (from AC adapter)
Size:	4-3/8 in. (W) x 2-1/4 in. (D) x 8-1/2 in. (H)
Weight:	Approx. 11.1 oz.

HANDSET

Frequency:	902.052 to 904.002 MHz (40 channels)
Power requirements:	Rechargeable Nickel-Cadmium battery pack
Size (without antenna):	2-1/8 in. (W) x 1-1/2 in. (D) x 7 in. (H)
Weight:	Approx. 8.6 oz. (including battery)
Battery:	BT-905
Capacity	600 mAH, 3.6V
Talk mode	7 hours
Standby mode	14 days

Specifications, features, and availability of optional accessories are all subject to change without prior notice.

CITIZEN ELECTRONICS PORTABLE PRODUCT WARRANTY

We appreciate your purchase of a Citizen Portable Product. We take pride in the quality of our products and have manufactured your new portable unit to exacting quality standards. We feel confident that in normal use, it will provide you with satisfactory performance. Citizen Portable Products are warranted against manufacturing defects in materials and workmanship in normal use for the following periods from the date of purchase by the original retail purchaser or gift recipient in an unused condition. This warranty is conditional upon the unit being installed and used as directed in the instruction manual.

<u>Product</u>	<u>Parts</u>	<u>Labour</u>
Remote Controls	90 days	90 days
Portable Audio	1 year	1 year
Clock Radio	1 year	1 year
Cable Converter	1 year	1 year
Combination Radio/Television (B/W)	1 year	1 year
Small Screen Television (B/W)	1 year	90 days
Fans	1 year	1 year
Headphones	90 days	90 days
Small Screen Colour Television (Max. 10")	1 year	1 year
Breadmakers	1 year	1 year
Telephones Answering Machines	1 year	1 year
Telephone/Cordless Telephones	1 year	1 year

Citizen Electronics' obligation under this warranty shall be limited to the repair, including all necessary parts of the cost of shop labour connected therewith, or at our option, the exchange of any Portable Product which shows evidence of a manufacturing defect within the warranty period. Replacement parts, furnished in connection with this warranty shall be warranted for a period equal to the unexpired portion of the original equipment warrant.

WARRANTY EXCLUSIONS

This warranty is extended to Citizen Portable Products purchased in Canada. This warranty shall not apply to appearance or accessory items including, but not limited to: antennae, cabinet, cabinet parts, knobs, batteries, dust covers, connecting cables, cassette tapes, and styli. This warranty shall, in addition, not apply to customer adjustments that are covered in the instruction book; damages due to handling, transportation, unpacking, set-up, installation, repair or replacement of parts supplied by other than the Citizen Service Centre; or any malfunction or failure caused by or resulting from abnormal environmental conditions, improper unauthorized service, improper maintenance, modifications or repair by the customer, abuse, misuse, neglect, accident, incorrect line voltage, fire, flood, or any Acts of God.

This Portable Product is only warranted to the original retail purchaser or gift recipient. This warranty becomes void in the event of commercial or rental use. This warranty becomes void in the event serial numbers are altered, defected or removed.

Citizen Electronics reserves the right to make changes in design or to make additions to or improvements upon this product, without incurring any obligation to install the same on products previously manufactured.

The foregoing is in lieu of all other warranties expressed or implied and Citizen Electronics neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with the sales or service of this product. In no event shall Citizen Electronics or its Jutan dealers be liable for special or consequential damage arising from the use of this product, or for any delay in the performance of this warranty due to cause beyond our control.

The purchaser may have the rights under existing provincial or federal laws, and where any items of this warranty are prohibited by such laws, they are deemed null and void, but the remainder of the warranty shall remain in effect. Warranty service is only available in Canada.

CUSTOMER OBLIGATIONS

The dealer's original, dated bill-of-sale should be retained as proof of purchase date and must be presented, together with this warranty card, to the Citizen Service Centre in Canada, when this product is to be serviced under the provisions of this warranty. Transportation to and from the service centre is the responsibility of the owner.

HOW TO OBTAIN WARRANTY SERVICE

Should this product require warranty service, bring or mail it prepaid and insured along with the dealer's original dated bill-of-sale to the closest Citizen Service Centre.

TORONTO
455 Gordon Baker Road
Ontario, M2H 4H2
(416) 499-5449 / 499-5450

OUT OF WARRANTY SERVICE

Should this product require service after the warranty period has expired, bring or mail it prepaid and insured to the nearest Citizen Service Centre. Please include a money order for \$8.95 to cover the cost of insurance and return of the product. Repair charges will be in addition to this amount.

I.C. NOTICE

Notice: The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). 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 acceptable 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 coordinated by a representative designated by the supplier. Any repairs or alterations made by the users of 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.”

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.

PRECAUTIONS!

Before you read anything else, please observe the following:

Warning!

The manufacturer **DOES NOT** represent this unit to be waterproof. To reduce the risk of fire, electrical shock, or damage to the unit, **DO NOT** expose this unit to rain or moisture.

Rechargeable Nickel-Cadmium Battery Warning

- This equipment contains a rechargeable nickel-cadmium battery.
- The rechargeable nickel-cadmium battery contained in this equipment may explode if disposed of in a fire.
- **Do not** short-circuit the battery.
- Do not charge the rechargeable nickel-cadmium battery used in this equipment in any charger other than the one designed to charge this battery as specified in the owner's manual. Using another charger may damage the battery or cause the battery to explode.

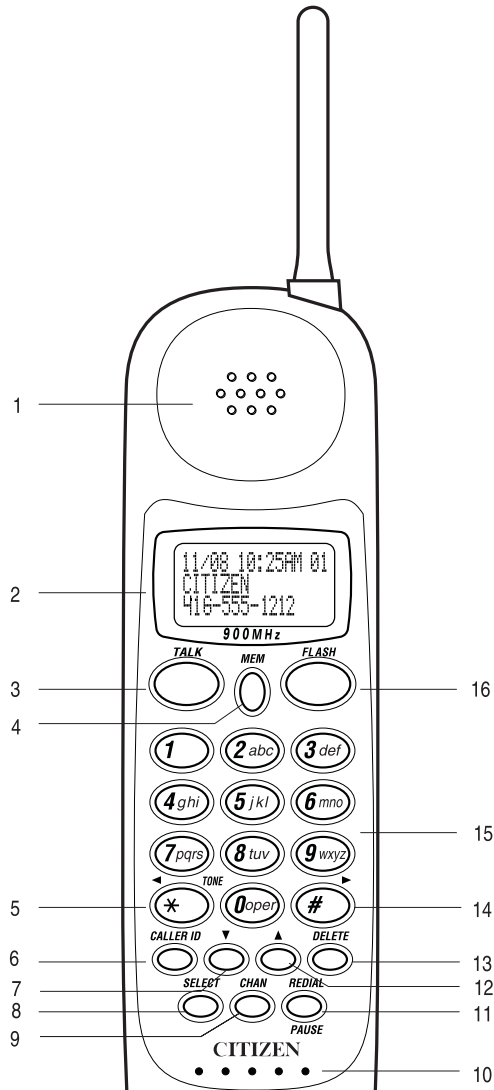
RECHARGEABLE NICKEL-CADMIUM BATTERIES MUST BE RECYCLED OR DISPOSED OF PROPERLY

Covered under one or more of the following U.S. patents:

4,511,761	4,523,058	4,595,795	4,797,916	5,381,460
5,426,690	5,434,905	5,491,745	5,533,010	5,574,727
5,650,790	5,660,269	5,661,780	5,663,981	5,671,248
5,717,312	5,754,407	5,768,345	5,787,356	5,838,721

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AND FUNCTIONS



1. Handset Speaker
2. Handset Display
3. Talk
4. Memory
5. * / Tone / Left Cursor
6. Caller ID
7. ▼ (down cursor)
8. Select
9. Channel
10. Handset Microphone
11. Redial / Pause
12. ▲ (up cursor)
13. Delete
14. Right Cursor
15. Keypad
16. Flash
17. Handset Retainer Clip
18. Status LED
19. Page
20. Pulse / Tone switch
21. DC Input Jack
22. Telephone Line Jack

