



INSTRUCTION MANUAL



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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. 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.
4. 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.
5. Place this telephone on a stable surface. Serious damage and/or injury may result if the telephone falls.
6. 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.
7. 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.
8. Do not place anything on the power cord. Install the telephone where no one will step or trip on the cord.
9. Do not overload wall outlets or extension cords as this can increase the risk of fire or electric shock.
10. 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.
11. 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.
12. 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.
 - 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.

Safety Instructions

- E. If the telephone has been dropped or the case has been damaged.
 - F. If the telephone exhibits a distinct change in performance.
13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
 14. Do not use the telephone to report a gas leak in the vicinity of the leak.

Battery Safety

CAUTION:

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 pack:
3.6V, 550mAh Rechargeable Ni-MH battery pack
2. Do not dispose of the battery pack in a fire. It may explode. Check with local codes for possible special disposal instructions.
3. Do not open or mutilate the battery pack. Released electrolyte from a battery pack is corrosive and may cause damage to the eyes or skin. Electrolyte may be toxic if swallowed.
4. Exercise care in handling the battery pack to prevent shorting the battery pack with conductive materials such as rings, bracelets and keys. The battery pack or conductor may overheat and cause burns.
5. Charge the battery pack 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 battery pack and battery charger.

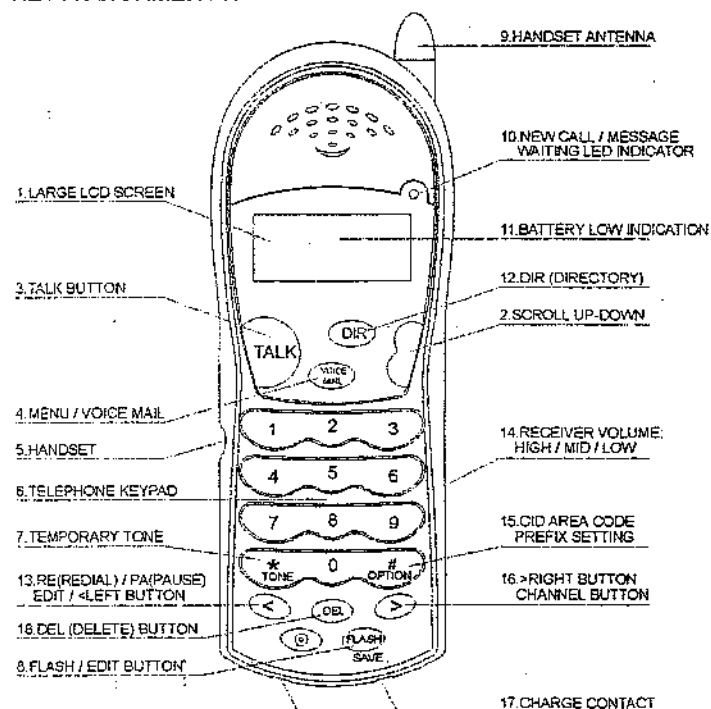
SAVE THESE INSTRUCTIONS

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-location and Function

KEY ASSIGNMENTS:



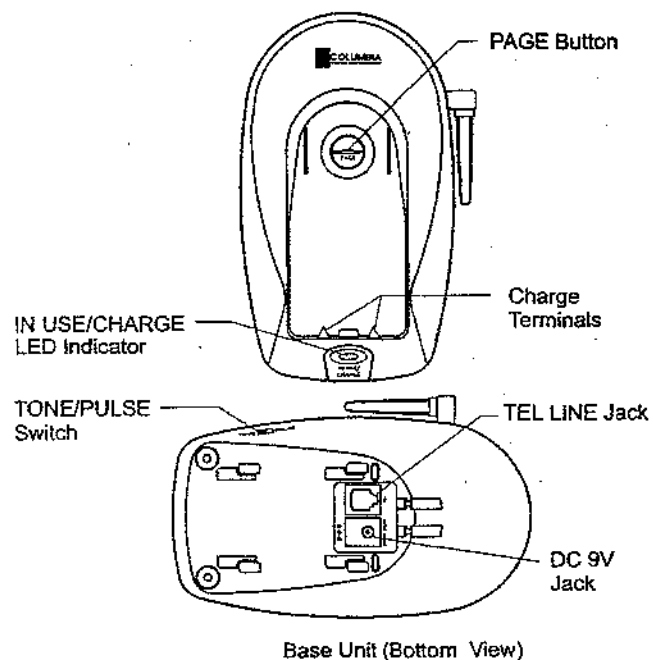
HANDSET Controls

- 1. Large LCD Screen:** Shows call information, phone status, prompts, and directory (phonebook) items.
- 2. SCROLL UP-DOWN:** Press to move around the large LCD Screen.
- 3. TALK Button:** Press to answer an incoming call or to place a call. Press to end a call.

Handset Controls

- 4. VOICE MAIL / MENU Button:** (VOICE MAIL) Press to automatically dial the Voice Mail POST Code in your area to access your Voice Mail message. (MENU) Press to access the special functions operation in STANDBY mode. (For special functions see pages 14~20).
- 5. HEADSET JACK:** For connecting your headset plug to enjoy hands-free communication. (See page 11 for detail.)
- 6. TELEPHONE KEYPAD 1 to 0 Buttons:** Allows you to make a call depending on pressed button. (For TELEPHONE KEYPAD characters, see page 22.)
- 7. TEMPORARY TONE * Button:** Press to temporarily change the DIALING mode from PULSE to TONE for Rotary Service Users. (Press once before entering numbers to access the answering system of electronic banking services etc.)
- 8. FLASH/SAVE Button:** (SAVE) Press to save caller record, directory or save changes on the listed items. (FLASH) Press to answer a call if you have Call Waiting.
- 9. HANDSET ANTENNA**
- 10. NEW CALL/MSG WTG (MESSAGE WAITING) LED Indicator:** (NEW CALL) Blinks in RED color to indicate that you have a new Caller ID call stored in memory. (MESSAGE WAITING) Blinks in RED color at a slow rate when receiving a Message Waiting signal, if you have subscribed to a Voice Mail message service from your local telephone company. (See page 17.)
- 11. BATTERY LOW INDICATOR:** Appears on the LCD Screen when the battery charge is low.
- 12. {DIR} DIRECTORY (PHONEBOOK) Button:** Press to access names and numbers stored in the DIRECTORY (PHONEBOOK). (See pages 21 to 25 for details.)
- 13. (<)/RE (REDIAL) /PA (PAUSE) /EDIT SHIFT LEFT-RIGHT:** (REDIAL) Press to redial the last number you dialed. (PAUSE) Press to insert a pause while dialing. (You will need the RE/PA button to dial numbers which use an alternative Long Distance Access Code.) (EDIT) Press to edit listed items.
- 14. HANDSET Volume Control (hi, mid, low) Switch:** Select the receiver volume level (HI, MID, LO).
- 15. (#)/OPTION Button:** (OPTION) Press to change the displayed telephone number into 7, 10, or 11 digit DIALING mode during Caller ID callback.
- 16. CHANNEL Button:** (CHANNEL) Press to change the operating channel when you hear interference.
- 17. CHARGE CONTACTS:** For charging the BATTERY PACK inside the HANDSET. We recommend cleaning the CHARGE CONTACTS periodically with a damp cloth.
- 18. DELETE BUTTON:** Press OR hold down to delete items or individual characters.

Base unit Controls-Location and Function



BASE UNIT Controls

In Use/Charge LED

(IN USE) Lights up to indicate that the handset is in TALK mode. (CHARGE) Lights up when the handset is placed on the base unit for charging.

Page Button

Used to initiate a handset page.

Charging Contacts

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

Tone/Pulse Switch

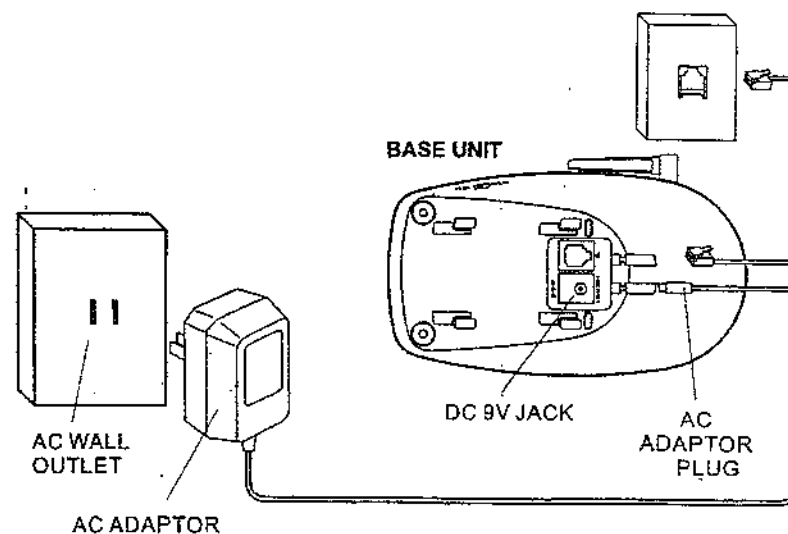
Used to set the dialing mode to tone or pulse dialing.

Getting Started

Connecting Your Phone

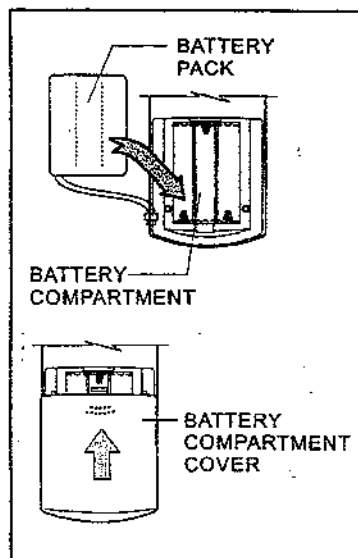
This section is a reference guide to the basic functions and operations of your cordless telephone. For more detailed descriptions of the operations and features of this telephone, refer to the Contents on page 1.

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, HEADSET 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.



Getting Started

8. **BATTERY PACK INSTALLATION (HANDSET)**
Remove the battery compartment cover of the handset by pressing the top of the cover and sliding it down. Connect the battery pack plug by plugging it into the BATTERY CONNECTOR inside the battery compartment.
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 positions 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.

30° DESK MOUNT

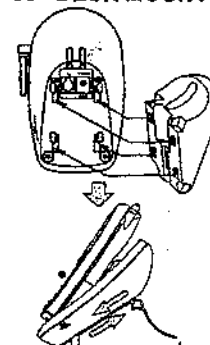


FIGURE 1

WALL MOUNT

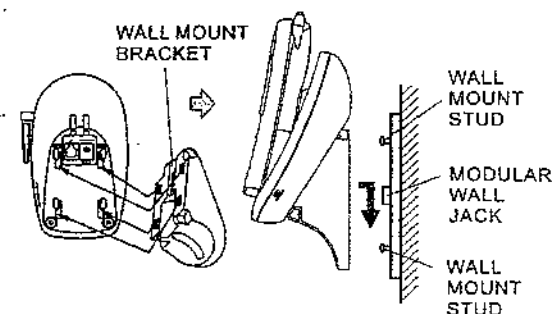


FIGURE 2

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 the 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. Raise or reposition the base unit antenna for the best reception.

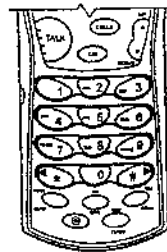
Before you can use your cordless telephone, you must charge the handset for 12 hours. Failure to do so will require more frequent charging of the battery.

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.

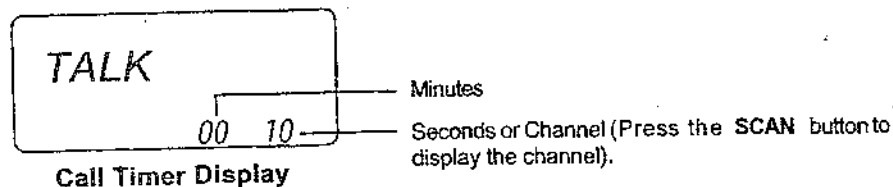
Receiving Calls

1. When the phone rings, lift the handset and press the **TALK** button. The base unit IN USE LED indicator will light up.
2. Start your conversation.
3. To end your conversation, either press the **TALK** button or place the handset on the base unit. If you place the handset on the base unit charge cradle, you activate the automatic STANDBY feature.



NOTE:

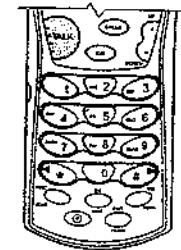
The Call Timer will start to count once you press the **TALK** button.



Cordless Telephone Operation

Placing Calls

1. Pick up the handset from the base unit.
2. Press the **TALK** button, the Call Timer starts to count. 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.

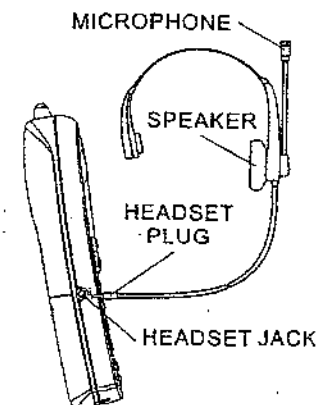


Using the Headset Feature

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.



Caller ID System Operation

TELEPHONE Function

KEYPAD

- {9 WXZ} Voice Mail: Programs the one-touch number that enables easy access to the voice mail service provided by your telephone company.
- (0 OPER) MSG Waiting Delete: Clear current message waiting indication.
- {#} Area Code: This unit does not require any programming of an Area Code. However, this option could be used to add the local Area Code to numbers that were stored as 7-digits in the phone book and 10-digit dialing is required in the local calling area.

NOTE: At any time during options programming you can quit and the settings that you have changed will be saved. Press the VOICE MAIL/MENU button to quit the options menu or let the options programming time out by not pressing any TELEPHONE KEYPAD button for 20 seconds.

Setting the Ringer Level

1. Press and hold the VOICE MAIL /MENU button to enter the menu.
2. Press the EDIT/RE/PA button to change the setting. "HI" will begin flashing.

RING: HI
* 1 TOTAL !!

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

Caller ID System Operation

Changing the Language

1. Press and hold the VOICE MAIL /MENU button to enter the menu.
2. Press the {2} button to go to the LANGUAGE programming option.

ENGLISH
* 2 TOTAL !!

3. Press the EDIT/PA button to change the setting. "ENGLISH" will begin flashing.
4. Press the SCROLL UP or DOWN button to toggle between ENGLISH, ESPANOL, and FRANCAIS.
5. When the desired setting is displayed, press and hold the FLASH/SAVE button to save the setting. A long "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the VOICE MAIL /MENU button to return to STANDBY mode.

Turning the FIRST RING ON or OFF

1. Press and hold the VOICE/MENU button to enter the menu.
2. Press the {3} button to go to the FIRST RING programming option.

FIRST RING
On
* 3 TOTAL !!

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

Caller ID System Operation

Setting the Time and Date

1. Press and hold the VOICE MAIL /MENU button to enter the menu.
2. Press the {4}button to go to the TIME set programming option.

TIME SET
1000 11/18 * 5 TOTAL 11

3. Press the EDIT/RE/PA button to change the setting. The month will begin flashing.
4. Press the TELEPHONE KEYPAD {1}to {0}button to enter the month. The date will begin flashing.
5. Press the TELEPHONE KEYPAD {1}to {0}button to enter the date. The hour will begin flashing.
6. Press the TELEPHONE KEYPAD {1}to {0}button to enter the hour. The minutes will begin flashing.
7. Press the TELEPHONE KEYPAD {1}to {0}button to enter the minutes. "AM" and "PM" will begin flashing.
8. Press the TELEPHONE KEYPAD {1}button to choose AM or press the {2}button to choose PM.
9. When the desired setting is displayed, press and hold the FLASH/SAVE button to save the setting. A long beep will sound and you are returned to the options menu.
10. Continue with programming or press the VOICE MAIL /MENU button to return to STANDBY mode.

Setting the Area Code

1. Press and hold the VOICE MAIL /MENU button to enter the menu.
2. Press the {7}button to go to the AREA CODE programming option.

AREA CODE
000
* 11 TOTAL 11

3. Press the EDIT/RE/PA button to change the setting. "000" will begin flashing.
4. Press the TELEPHONE KEYPAD {1}to {0}buttons to enter the three digits area code for your phone number.
5. When the desired setting is displayed, press and hold the FLASH/SAVE button to save the setting. A long "beep" will sound to confirm the setting has been saved.
6. Press the VOICE MAIL /MENU button to return to STANDBY mode.

NOTE:

To use the call back function, press the {7}/OPTION button and then select the 10-DIGIT DIALING mode. Press the TALK button and the unit will automatically dial the stored 7-digit number plus the area code.

Caller ID System Operation

Adjusting the Contrast

1. Press and hold the VOICE MAIL /MENU button to enter the menu.
2. Press the {5}button to go to the CONTRAST programming option.

CONTRAST
6
* 5 TOTAL 11

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

Setting the PBX Number

1. Press and hold the VOICE MAIL /MENU button to enter the menu.
2. Press the {6}button to go to the PBX NUMBER programming option.

PBX NO.
OFF
* 6 TOTAL 11

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

Caller ID System Operation

Changing the Flash Time

1. Press and hold the VOICE MAIL /MENU button to enter the menu.
2. Press the (7)button to go to the FLASH TIME programming option.

FLASH TIME
600
* 7 TOTAL 11

3. Press the EDIT button to change the setting. "600" will begin flashing.
4. Press the SCROLL UP or DOWN button to select the desired dialing delay.
5. When the desired setting is displayed, press and hold the FLASH/SAVE button to save the setting. A long "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the VOICE MAIL /MENU button to return to STANDBY mode.

NOTE: The standard and default flash time setting is 600 msec. This is the setting you should use to access standard telephone services such as call waiting. This setting is adjustable to allow for PBX and other special used.

Changing the Pause Time

1. Press and hold the VOICE MAIL /MENU button to enter the menu.
2. Press the (9)button to go to the PAUSE TIME programming option.

PAUSE TIME
4
* 8 TOTAL 11

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

Caller ID System Operation

Deleting Message Waiting Indication

1. Press and hold the VOICE MAIL /MENU button to enter the menu.
2. Press the (0)button to go to the MESSAGE WAITING programming option.

MSG WAITING
* 10 TOTAL 11

3. Press the EDIT/RE/PA button to reset the Message Waiting indication. "DEL" will begin flashing.
4. Press the FLASH/SAVE button to delete the indication. A long "beep" will sound to confirm the setting has been saved.
5. Continue with programming or press the VOICE MAIL/MENU button to return to STANDBY mode.

Programming One-Touch Voice Mail Dialing

1. Press and hold the VOICE MAIL /MENU button to enter the menu.
2. Press the (9)button to go to the VOICE MAIL programming option.

VOICE MAIL
* 9 TOTAL 11

3. Press the EDIT/RE/PA button to enter the voice mail speed dial number.
4. Press the TELEPHONE KEYPAD {1}to {0} button to enter the phone number used to access your voice mail messages (up to 15 digits).
5. When the desired setting is displayed, press and hold the FLASH/SAVE button to save the setting. A long "beep" will sound to confirm the setting has been saved.
6. Continue with programming or press the VOICE MAIL /MENU button to return to STANDBY mode.

NOTE:

When reviewing as stored VOICE MAIL number that contains more than 11 digits, the last 11 digits will be displayed first. Press the SHIFT RIGHT button to view the preceeding number.

Caller ID System Operation

Name and Telephone Number DIRECTORY (PHONEBOOK)

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

Storing Phone Number

1. With the HANDSET in STANDBY mode, press the {DIR} button.
2. Press and hold the EDIT button to create a new DIRECTORY (PHONEBOOK) entry.
3. Enter the name you wish to store using the TELEPHONE KEYPAD {2}/ABC to {9}/WXYZ buttons to enter the name, (see page 17 for detail) you can store up to 16 letters. To move the cursor to the right, create a space or to enter a new letter, press the SHIFT RIGHT button.
4. Press the SCROLL DOWN button, and dial the telephone number you wish to store using the TELEPHONE KEYPAD {1} to {9} buttons. You can store up to 16 digits. Press the FLASH/SAVE button to insert a pause into the number.
5. Press the FLASH/SAVE button to store the number into memory.

NOTES:

1. If there are no memory locations left in the speed dial directory (phonebook) the LCD screen will display "MEMORY FULL." To continue with memory programming, you must delete or edit existing speed dial numbers.
2. If you mis-type entering the phone number, you can move through the number and edit it by pressing the SHIFT RIGHT or LEFT button. To delete a character or number inside the cursor, press the {DEL} button.

Caller ID System Operation

Telephone Keypad Characters

The TELEPHONE KEYPAD buttons are used to enter characters when entering names and numbers. Press the appropriate TELEPHONE KEYPAD button to get the following characters. You can store a maximum of 16 characters on the letter icon and a maximum of 16 digits on the number icon.

The Letter Table

Keypad Buttons	1st Press	2nd Press	3rd Press	4th Press	5th Press	6th Press	7th Press	8th Press	9th Press
1	Space	1	&	'	(	)	.	Space	1
2	A	B	C	a	b	c	2	A	B
3	D	E	F	d	e	f	3	D	E
4	G	H	I	g	h	i	4	G	H
5	J	K	L	j	k	l	5	J	K
6	M	N	O	m	n	o	6	M	N
7	P	Q	R	p	q	r	7	P	Q
8	T	U	V	t	u	v	8	T	U
9	W	X	Y	w	x	y	9	W	X
0	0	0	0	0	0	0	0	0	0
*	*	*	*	*	*	*	*	*	*
#	#	#	#	#	#	#	#	#	#

EXAMPLE:

If you want to enter the name "ALEX" with telephone number "2426978," dial this sequence:

1. Press the {DIR} button.
2. Press the EDIT button to create a new DIRECTORY (PHONEBOOK) entry.
3. Press the following TELEPHONE KEYPAD buttons to get the desired letters:

TELEPHONE KEYPAD BUTTON	2	555	33	99
LETTER	A	L	E	X

4. Press the SCROLL DOWN button to move the cursor to the number icon.
5. Press the TELEPHONE KEYPAD button to get the desired number.
6. Press the FLASH/SAVE button to store the data in the DIRECTORY (PHONEBOOK) memory.

Caller ID System Operation

BLOCKED CALLS

You can assign stored number a BLOCKED CALL status. When an incoming call is matched to a stored number designated as blocked, the phone will not ring after the Caller ID information is received.

When you are saving the name and number into the DIRECTORY (PHONEBOOK), add an "*" symbol at the beginning of the name by pressing the (*) button.

*ALEX BROWI
604555 12 12
10:00 AM 11/18 *1 TOTAL 3

Caller ID Systems 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 Caller Information During Incoming Calls

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

ALEX BROWIN
604555 12 12
10:00 AM 11/18 *1

BROWING
604555 12 12
10:00 AM 11/18 *1

OR

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

OR

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

UNAVAILABLE
10:00 AM 11/18 *0 TOTAL 0

OR

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

PRIVATE
10:00 AM 11/18 *0 TOTAL 0

OR

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

MSG WAITING
10:00 AM 11/18 *0 TOTAL 0

Caller ID System Operation

Caller ID with Call Waiting

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

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

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

ALEX BROWN
604555 12 12
01-02

ABEL BROWN
6042254242
1000-11/18 *3

Storing Caller ID Records into the DIRECTORY (PHONEBOOK)

1. Press the SCROLL UP or DOWN button to find the record you wish to store into the DIRECTORY (PHONEBOOK).
2. Press the FLASH/SAVE button.
3. The display will show "SAVED."

SAVED

1000-11/18 *3

4. If you wish to edit the newly stored number, edit it in the DIRECTORY (PHONEBOOK) (page 22, "Editing a Stored Number").
5. Press the {DIR}button to return to STANDBY mode.

Deleting Caller ID Records

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

Deleting a Single Record

1. Press the SCROLL UP or DOWN button to find the record you wish to delete.
2. Press the {DEL}button. The LCD Screen will display "ERASE?"

ERASE?

1000-11/18 *3

3. To delete the record, press the {DEL}button. The LCD screen will show "ERASED."
4. Press the {DIR}button to exit the Caller ID list.

Caller ID System Operation

Deleting All Records

1. Press the SCROLL UP or DOWN button.
2. Press and hold the {DEL}button. The LCD screen will prompt "ERASE ALL?"

ERASE ALL?

1000-11/18 *3

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

"MSG WAITING"(Message Waiting)

The Message Waiting RED LED indicator will blink when there is a message for you from your telephone company if you have subscribed to Voice Mail message service and if you have requested Visual Message Indication from your local telephone company. "MSG WAITING" will appear on the LED Screen in STANDBY mode. (To remove the MSG WAITING indicator, see page 20 for detail.)

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

One-Touch Voice Mail Dialing

When the setting is programmed in the Function menu (see "Programming One-Touch Voice Mail Dialing" on page 20) you can dial out a programmed number at the touch of a button. This feature is specifically designed to easily check voice mail when you have that service through your local telephone company.

1. Press the TALK button to access the telephone line.
2. Press the VOICE MAIL/MENU button.
3. The phone will automatically dial the number.

Caller ID System Operation

Caller List

This phone automatically stores the last 40 calls received. It records call information such as caller's name and telephone number together with the date and time of the call. The NEW CALL RED LED indicator will blink to indicate that you have a new Caller ID call stored in memory.

Viewing the Caller List

1. With the HANDSET in STANDBY mode, press the SCROLL UP or DOWN button.
2. Any unviewed (new) calls will be displayed first. The most recent call will be displayed. The information on the call will be displayed with the name, number, date, and time that the call was received.

ALEX BROWN
604555 12 12
1000-11/18 11:03

3. To scroll to the next call, press the SCROLL UP or DOWN button. Pressing the SCROLL DOWN button will go through the calls from the last call received to the first Caller ID record. Pressing the SCROLL UP button will allow you to view the calls from the first call received to the last.
4. If the name or number is more than 11 characters, press the SHIFT RIGHT button to view the rest of the display as indicated by the arrows on the top line of the LCD Screen. Press the SHIFT LEFT button to return to the previous display.
5. Press the {DIR} button to return to STANDBY mode.

Placing a Call from the Caller List

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

1. Press the SCROLL UP or DOWN button to find the record you wish to call back.
2. Press the {#}/OPTION button to change the displayed number to 7, 10, or 11 digits. The first dialing option displayed is the 11 digits for a long distance call.

DIAL?
555 12 12
1000-11/18 11:03

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

DIAL?
604555 12 12
1000-11/18 11:03

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

DIAL?
1604555 12 12
1000-11/18 11:03

3. Press the TALK button to dial the displayed number.
4. Press the {DIR} button to cancel dialing and return to STANDBY mode.
5. To end call, either press the TALK button or place the HANDSET on the BASE UNIT.

Security

Security System

Your cordless telephone uses a digital coding security system to prevent unauthorized use of your telephone line by another nearby cordless telephone. The system has its own identifying signal created by microcomputers in both the BASE UNIT and the HANDSET.

Security Code

This telephone has an internal security code with 65,536 possible combinations.

Resetting Security Code and Channel Information

Communication between the HANDSET and the BASE UNIT may not be possible in any of the following situations:

1. After a power failure.
2. After relocating the BASE UNIT by disconnecting the AC ADAPTOR.
3. After replacing the HANDSET BATTERY PACK.

To reset, place the HANDSET on the BASE UNIT for 2 to 5 seconds.

Multi-Channel Access

Your cordless telephone lets you select a channel from the 50 frequencies available to transmit signals between the BASE UNIT and the HANDSET. When you notice interference from other cordless telephones, change to another channel by pressing the SCAN button on the HANDSET.

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. Antenna on the base unit is raised.
2. Base unit is centrally located in your residence.
3. 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.
3. Antenna on the base unit is raised.

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 not be interpreted as a defect in your system.
2. Choose an alternate channel using the **SCAN** button on the handset.

Excess static, check the following:

1. Check to see that the antenna is not touching another metal object.
2. Raise or reposition the base unit antenna.

Problem Solving Section

If after pressing the TALK button, you receive three "beeps" 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, there 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 containing coded access may be accessed by other radio communication systems. Cordless telephones must not cause interference to any licensed radio service.

FCC INFORMATION

This equipment complies with Part 68 of the FCC rules and requirements adopted by the ACTA. On the bottom of this equipment is a label that contains among other information, a product identifier in the format US: AAAEQ##TXXXX, if requested, this number must be provided to the telephone company.

An applicable certification jacks Universal Service Order Codes (USOC) for the equipment is provided (i.e., RJ11C) in the packaging with each piece of approved terminal equipment.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US: AAAEQ##XXXX. The digits represented by # are the REN without a decimal point (e.g., 03 is a REN of 0.3) for earlier products. The REN is separately shown on the label.

If this equipment CT-A200 causes harm to the telephone network, the telephone Company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

FCC INFORMATION

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

Please follow instructions for repairing if any (e.g. battery replacement section); otherwise do not alternate or repair any parts of device except specified.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

NOTICE: If your home has specially wired alarm equipment connected to the telephone line, ensures the installation of this (equipment ID) does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

NOTICE: According to telephone company reports, AC electrical surges, typically resulting from lightning strikes, are very destructive to telephone equipment connected to AC power sources. To minimize damage from these types of surges, a surge arrestor is recommended.

Should you experience trouble with this equipment, please contact *COLUMBIA TELECOMMUNICATIONS INC.* for repair or warranty information. 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.

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.

1. Reorient or relocate the receiving ANTENNA.
2. Increase the distance between the equipment and the receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved in writing by Columbia Telecommunications Inc. may void the user's authority to operate this equipment.

Customer Support

Should you encounter any problems with the product or not understand its many features, please refer to this Owner's Manual. If after referring to the manual, you still need help, call Customer Service at 1-800-889-7434 between 9am and 5pm EST (Eastern Standard Time).

Service

For your own protection, retain your original sales receipt indicating the date and place where you purchased this product. We will not be able to service your CORDLESS TELEPHONE unit without a copy of this receipt.

Also, as previously suggested, retain all packing material in case you should need to ship your unit for servicing. This product is covered by a ONE YEAR LIMITED WARRANTY. Please call Columbia Telecommunications toll free at 1-800-889-7434.

COLUMBIA TELECOMMUNICATIONS Limited Warranty

COLUMBIA TELECOMMUNICATIONS warrants this unit to be free from defects in material and/or workmanship for a 1-year period beginning with the date of purchase. This warranty does not cover second-hand ownership or products that are purchased for sale or lease to another. This warranty does not cover damage resulting from acts of God, lightning accident, misuse, improper installation or operation, or unauthorized repair or alteration.

If this unit should become defective within the first 30 days from purchase, return it to the retailer where obtained (with all of the original packing materials and parts) for an over-the-counter exchange. If this unit becomes defective after the first 30 days but within one year of purchase, we will replace it with a new or reconditioned unit of the same or similar style. The replacement unit will be warranted for a period of 90 days or the remainder of the original one year period, whichever is longer.

To obtain warranty service on your COLUMBIA TELECOMMUNICATIONS equipment, you must provide proof of date of purchase. We strongly recommend that you keep your sales receipt and all of the packing materials in order to take advantage of your products limited warranty. Include all accessories and owners manual when returning to an authorized service center (listed below.) Do not forget to include your name and return address (print please), a brief description of the defect, a \$10.00 check (for shipping and handling) and a copy of your sales receipt.

There are no expressed warranties except as listed above. COLUMBIA TELECOMMUNICATIONS will not be liable for incidental or consequential damages resulting from the use of this product, or resulting from misuse contrary to this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you. This warranty gives you specific and legal rights and you may also have other rights which vary from state to state.

Please use the shipping address below for the authorized Warranty Service center:

COLUMBIA TELECOMMUNICATIONS INC.

174 Milbar Blvd.
Farmingdale, NY 11735