

CORTELCO

**2.4GHz CORDLESS CALLER ID
TELEPHONE WITH CALL WAITING**

40 CHANNEL AUTOSCAN

730901-TP2-27F

**OWNER'S MANUAL
INSTALLATION AND
OPERATING
INSTRUCTIONS**

**PLEASE READ THIS
MANUAL CAREFULLY
BEFORE USE.
KEEP FOR
YOUR REFERENCE.**

CORTELCO



Special Features

Congratulations on your selection of a quality CORTELCO product . With proper care and by following the setup and user instructions in this manual, this unit will provide you with years of trouble free service . CORTELCO is committed to providing quality products that fit your needs. We would like to have any comments or suggestions you might have on this product .You may mail your comments to:

1703 Sawyer Road, Corinth MS 38834, USA
website: www.cortelco.com

When examining your new CORTELCO cordless telephone, you will find an array of special features including:

- Filtered Sound System** - Receives considerably less noise than conventional cordless telephones because of a special circuit which delivers the clearest possible reception.
- 40 Channel Auto Scan** - Press the **(DEL) /SCAN** button on the **HANDSET** to find and lock on to the clearest channel for any call.
- TONE or PULSE Dialing** - Use this phone for either TONE or push-button PULSE(rotary) dialing .
- Automated Functions** - Redial the last number called and automatic STANDBY mode.
- Security** - Ensures greater privacy because a built-in security code with 65,536 combinations prevents use of your telephone line by another nearby cordless phone.
- Dependable Battery** - Recharge your BATTERY PACK many times with the built-in charger
The battery low warning tone tells you when the BATTERY PACK needs recharging
(See page 26)
- Special Services** - Use the **(EDIT) / FLASH** button to access special services such as Call Waiting supplied by your telephone company or company switchboard .
- STANDBY Mode** - When in STANDBY mode (ON-HOOK),the telephones is capable of receiving a call. When the **HANDSET** is on the **BASE UNIT**, it is automatically in the STANDBY mode (ON-HOOK).When the **HANDSET** is taken off the **BASE UNIT**, it remains in the STANDBY mode until you activate the **(TALK)** button.
- Battery Power Saver** - Once fully charged, in STANDBY mode, the **HANDSET** can receive/send calls for a maximum of three days without the need for recharging. Length of charge depends on frequency of use.

Special Features

Luminous LCD Screen - The LCD Screen emits light for 8 seconds every time you press any of the TELEPHONE KEYPAD buttons.

HANDSET Ringer Volume Level - Select the ringer volume level (HI, LOW, OFF).

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

HEADSET JACK - Your telephone can utilize a headset for hands-free communication

BELT CLIP- Use the BELT CLIP to hang your **HANDSET** on your belt.

CALLER ID SYSTEM

Multi-Function Large LCD Screen - Shows the number you are dialing and with Caller ID service (available through subscription from your local telephone company), displays information about the caller before you answer the call.

Name and Number Directory - Stores up to 64 names and numbers so that you can call them with a single key stroke.

Caller List - Available with Caller ID service. Stores up to 80 calls to keep track of everyone who called. The name, phone number, time and date of the call are recorded. Allows you to return their calls with a single key stroke .

Preferred Calls - You can mark the name and number of a welcome caller in the DIRECTORY. When that number calls in, the caller's name will appear on the DISPLAY and a special ring sound will be heard.

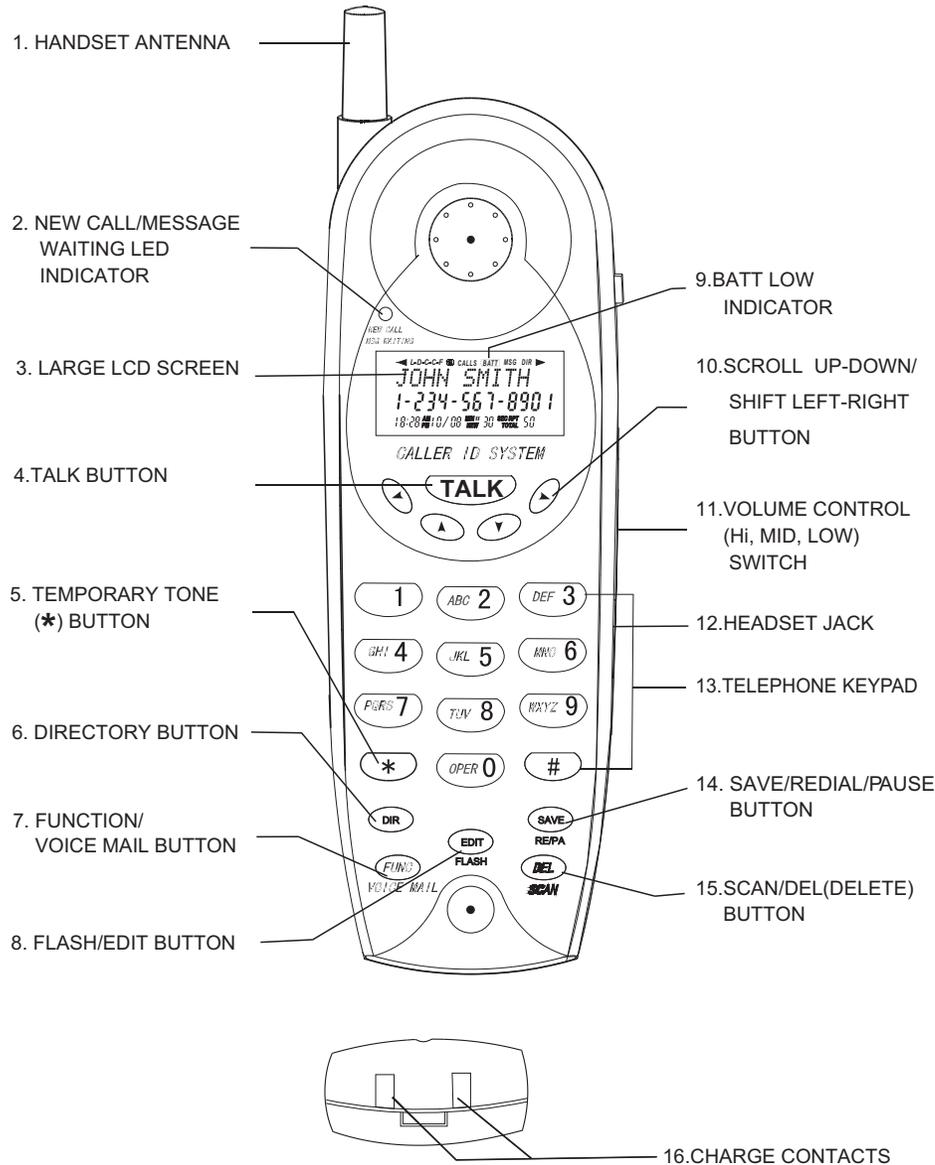
Blocked calls - You can mark the name and number of an unwelcome caller in the DIRECTORY When that number calls in, the caller's name will appear on the DISPLAY and the ringer will be disabled.

Repeat Call Indicator - Shows if a new incoming call has called more than once.

Out of Area Call Indicator - Advises you that the incoming call is not in a Caller ID service area.

Call Waiting Service - Displays the name and number of the second caller, if you have subscribed for Call Waiting service from your local telephone company (see page 12).

Voice Mail - Indicates message waiting signal if you subscribed to Voice Mail message service and requested Visual Message Indication from your local telephone company. (see page 12).



IMPORTANT

In order to get maximum life from the HANDSET battery pack, be sure to charge the HANDSET for 12 hours before initial use.

IMPORTANT

Placing your BASE UNIT near appliances such as televisions, refrigerators, radios, or microwave ovens may cause interference.

IMPORTANT

When you hear interference, press the **DEL** /SCAN button to change the operating channel.

IMPORTANT

The AC ADAPTOR must always be plugged into an electrical outlet.

IMPORTANT

To obtain the best reception, be sure to raise the BASE UNIT ANTENNA.

IMPORTANT

If you live in an area which gets frequent thunderstorms, we strongly recommend plugging your AC ADAPTOR into a surge protector.

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 alter 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, location of the BASE UNIT can affect 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 your are not using the HANDSET. If 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 phone.

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.

IMPORTANT

When you hear interference, press the **DEL**/DEL button to change the operating channel.

1. HANDSET ANTENNA

2. NEW CALL/MSG(MESSAGE)WAITING LED Indicator: Blinks when recording a new incoming call or when receiving a Message Waiting signal, if you have subscribed to a Voice Mail Message service from your local telephone company. (See page 11).

3. Large LCD Screen: Shows call information, phone status, prompts and directory items.

4. TALK  Button: Press to answer an incoming call or to place a call. Press to end a call.

5. TEMPORARY TONE  Button: Press to temporarily change the dialing mode from PULSE to TONE for rotary service users . (Press once before entering numbers to access the Answering System or Electronic Banking services, etc.)

6.  button: Press to access names and numbers stored in the DIRECTORY.

7. FUNC(FUNCTION)/VOICE MAIL  /VOICE MAIL Button: (FUNCTION)- Press and hold down to access special functions operation in STANDBY mode. (For special functions see page 19). (VOICE MAIL) - Press to automatically dial the Voice Mail Post Code in your area to access your Voice Mail Message. (Format) -Press to change the format of the displayed number when reviewing the Caller ID list or phone book.

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

9. BATT LOW INDICATOR :Appears on the LCD Screen when the battery charge is low. (See page 26 for detail)

10.  Button: Press to move around on the Large LCD Screen.

11. HANDSET Volume Control(Hi, Mid, Low) Switch: Select the receiver volume level (HI, MID, LOW).

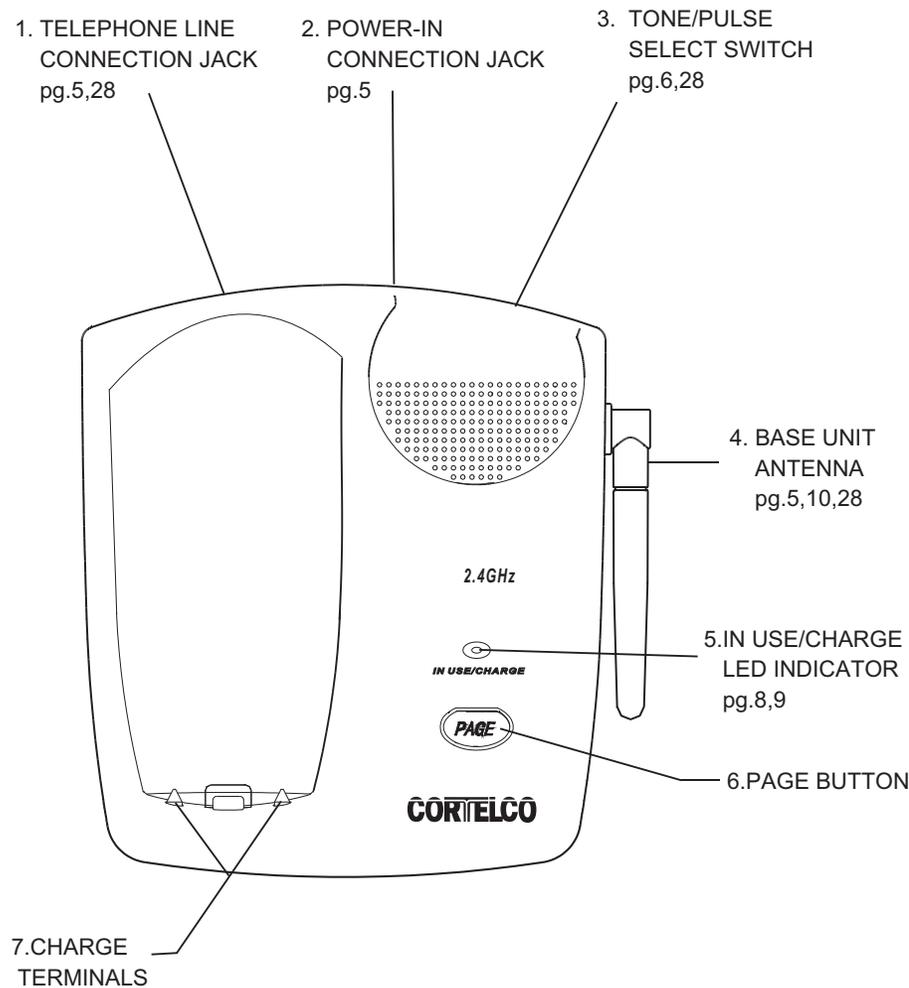
12. HEADSET JACK: Insert Headset plug into the Headset Jack to enjoy hands-free communication.(See page 10 for details.)

13. TELEPHONE KEYPAD: Allows you to make a call depending on pressed button. (for TELEPHONE KEYPAD characters, see page 24.)

14.  RE/PA Button: (SAVE)Press and hold down to save the changes on the listed items. (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.)

15.  /SCAN button: (SCAN) Press to change the operating channel when you hear interference. (DELETE) press and hold down to delete items or individual characters.

16. CHARGE CONTACTS: For charging the BATTERY PACK inside the HANDSET. We recommend cleaning the CHARGE CONTACTS periodically with a damp cloth.



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 power source.
2. **HANDSET** is charged.
3. TONE/PULSE Select switch is in the right position.
4. TELEPHONE LINE CORD is plugged in the TELEPHONE JACK.

Range of phone limited, check the following:

1. ANTENNA on **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. BATTERY PACK in **HANDSET** is fully charged.
2. **HANDSET** is not far from the **BASE UNIT**.
3. ANTENNA on **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. (See Technical Information on page 30.)
2. Choose an alternate channel using the **(DEL)/SCAN** button on the **HANDSET**.

Long Distance "LDC" Indicator is not ON when receiving long distance call, check the following:

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

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.

If after pressing the **(TALK)** button, you receive three "beeps" and no dial tone, check the following:

1. **BASE UNIT** is plugged into 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.

Changing the Battery Pack

Changing the BATTERY PACK

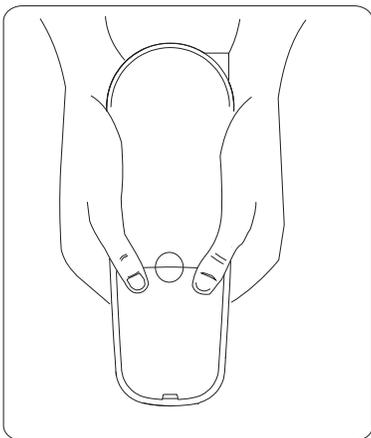
The BATTERY PACK provides power for the HANDSET of your cordless telephone.

To Replace the BATTERY PACK:

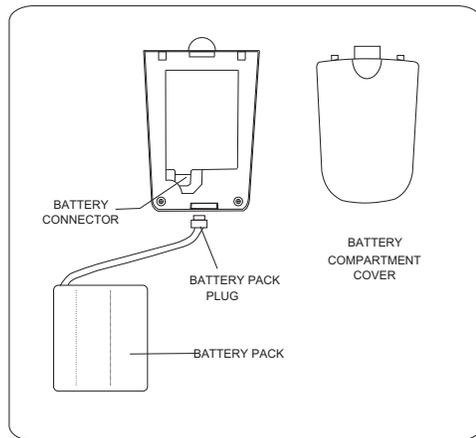
1. Remove the **HANDSET BATTERY COMPARTMENT COVER** by sliding it down.
2. Pull out the **BATTERY CONNECTOR PLUG** and remove the **BATTERY PACK**.
3. Plug the new **BATTERY PACK** into the **BATTERY CONNECTOR**.
4. Slide the **HANDSET BATTERY COMPARTMENT COVER** firmly into place in its closed position.
5. Before use, charge the new **BATTERY PACK** for 12 hours.

ATTENTION:

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



Remove the **HANDSET BATTERY COMPARTMENT COVER** by sliding it down.



BASE UNIT CONTROLS

1. **TELEPHONE LINE CONNECTION JACK**
2. **POWER-IN CONNECTION JACK**
3. **TONE/PULSE Select Switch**
4. **ANTENNA:** Raise or reposition for the best reception.
5. **IN USE/CHARGE LED Indicator:** (IN USE) Lights up to indicate that the HANDSET is in TALK mode or an extension telephone is in use. (CHARGE) Lights up when the HANDSET is placed on the BASE UNIT for charging.
6. **PAGE PAGE Button :** Press to page the **HANDSET**.
7. **CHARGE TERMINALS:** For charging the **HANDSET BATTERY PACK**. For best performance, clean the **CHARGE TERMINALS** periodically with a damp cloth.

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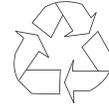
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Recharging the Battery Pack

Battery Type

Use the following type and size of BATTERY PACK:
Cordless Telephone BATTERY PACK 3.6V, 600mAh

NOTE: During a power interruption, the BASE UNIT does not operate, and a phone conversation cannot be made on the HANDSET.



Ni-MH

Recharging the Battery Pack

The nickel metal hydride(Ni-MH) BATTERY PACK in the **HANDSET** can be recharged many times using the built-in charger in the **BASE UNIT**.

When the BATT LOW symbol appears on the LCD screen , a "beep" sound will be heard every 10 seconds. This indicates that the BATTERY PACK needs to be recharged.

Charge the BATTERY PACK at least once every 90 days of non-use to avoid battery failure. When the BATTERY PACK can no longer be charged, replacement of the BATTERY PACK will be necessary.

The BATTERY PACK used in your telephone may develop a condition known as "MEMORY". Once subjected to a regular short discharging routine, the BATTERY PACK assumes the discharging pattern it was subjected to. This causes rapid discharging thereby shortening the BATTERY PACK charge span. If you believe your BATTERY PACK has developed a "MEMORY" condition, do not charge the **HANDSET** until the BATT LOW symbol appears on the LCD Screen. When the BATT LOW symbol appears on the LCD Screen, charge the **HANDSET** fully for 12 hours.

IMPORTANT

In order to get maximum life from the HANDSET BATTERY PACK, be sure to charge the HANDSET for 12 hours before initial use.

NOTES:

1. You can store a maximum of 16 characters on the letter icon.
2. You can store a maximum of 16 digits on the number icon.

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 HANDSET and 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 40 frequencies available to transmit signals between the **BASE UNIT** and the **HANDSET**. When you notice interference from other cordless telephones, change to another channel by pressing the **DEL** / **SCAN** button on the HANDSET.

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Safety Instructions

IMPORTANT SAFETY INSTRUCTIONS

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

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

Caller ID System Operation

TELEPHONE KEYPAD Characters

The TELEPHONE KEYPAD  —  button are used to enter characters when entering names. You can enter names in the UPPER CASE or LOWER CASE letters. Press the appropriate TELEPHONE KEYPAD button to get the following characters.

KEYPAD BUTTONS	CHARACTERS
1	SPACE1 &' ().
2	ABcabc2
3	DEFdef3
4	GHlghi4
5	JKLjkl5
6	MNOmno6
7	PQRSpqrs7
8	TUVtuv8
9	WXYZwxyz9
*	*
0	0
#	#

EXAMPLE:

If you want to enter the character "Abc" on the **HANDSET LCD** Screen.

1. Press the  button.
2. Press the  /EDIT Button.
3. Press the TELEPHONE KEYPAD  button, "A" will be displayed. The cursor will automatically move to the next character after 2 seconds.
4. Press the TELEPHONE KEYPAD  button for 5 times to display "b".
5. Press the TELEPHONE KEYPAD  button for 6 times to display "c".

The cursor will automatically move to the next character within 2 seconds after entering the first character. Press the SHIFT RIGHT  button to produce a space. If you want to change any character, you can go back to the incorrect character by pressing the SHIFT LEFT  button. To delete the character inside the cursor, press the  button.

G.VOICE MAIL

This telephone enables you to store the Voice Mail Post Code number in your area. This will automatically connect you to the Voice Mail service provider with one touch dialing.

1. Press the **FLING** /VOICE MAIL button and hold down.
2. Press the TELEPHONE KEYPAD **9** button.
3. Press the **EDIT** /FLASH button.
4. Enter the Voice Mail Post Code number by using the TELEPHONE KEYPAD **0** ~ **9** buttons.
5. Press and hold down the **SAVE** /RE/PA button.
6. Press the **SAVE** /RE/PA button to return to STANDBY mode.

H. MSG Waiting (Message Waiting)

IMPORTANT:

Message waiting LCD Screen indicator will automatically turn ON if you have subscribed to Voice Mail Message service and visual message indication from your local telephone company.

IMPORTANT

In order to utilize the Caller ID feature, you must subscribe to Caller ID service from your local telephone company.

- E. If the telephone has been dropped or the case has been damaged.
- F. If the telephone exhibits a distinct change in performance.
16. Never install telephone wiring during a lightning storm.
17. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
18. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
19. Use caution when installing or modifying telephone lines.

Battery Safety

CAUTION:

Danger of explosion if the BATTERY PACK is 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 BATTERY PACK:
Cordless Telephone BATTERY PACK
3.6V, 600mAh.
Ni-MH BATTERY
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 material 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 PACK. The BATTERY PACK 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.

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, TELEPHONE LINE CORD, SHORT TELEPHONE LINE CORD, BELT CLIP and Owner's Manual.



HANDSET



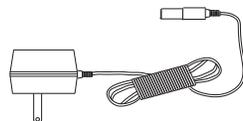
BASE UNIT



BELT CLIP



TELEPHONE LINE CORD



AC ADAPTOR

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 back of the BASE UNIT. (If you have an older 4-prong TELEPHONE JACK, you will need an RJ-11C TELEPHONE JACK ADAPTOR. This adaptor is available at the same place you purchased your telephone.)
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.

Caller ID System Operation

4. Use the dial pad to enter the three digit area code there your phone numbers begins with.
5. Press and hold down the **(SAVE) / RE / PA** button.
6. Press the **(FUNC) / VOICE MAIL** button to return to STANDBY mode.

E. FLASH TIME

This unit enables you to select the standard FLASH TIME applicable to your calling area. If you are not sure of the FLASH TIME you are using, call your local telephone company.

1. Press the **(FUNC) / VOICE MAIL** button and hold down.
2. Press the TELEPHONE KEYPAD **(FUNC) 7** button.
3. Press the **(EDIT) / FLASH** button.
4. Press the SCROLL UP **(▲)** or DOWN **(▼)** button to select the FLASH TIME. The preset FLASH TIME is 600 milliseconds.
5. Press and hold down the **(SAVE) / RE / PA** button.
6. Press the **(FUNC) / VOICE MAIL** button to return to STANDBY mode.

F. PAUSE TIME

This unit enables you to adjust the PAUSE TIME when placing a call using a switchboard system or dialing a Long Distance call.

1. Press the **(FUNC) / VOICE MAIL** button and hold down.
2. Press the TELEPHONE KEYPAD **(TUN) 8** button.
3. Press the **(EDIT) / FLASH** button.
4. Press the SCROLL UP **(▲)** OR DOWN **(▼)** button to adjust the pausing time. The preset pause time is 4 seconds.
5. Press and hold down the **(SAVE) / RE / PA** button.
6. Press the **(FUNC) / VOICE MAIL** button to return to STANDBY mode.

Caller ID System Operation

6. Press the **FLN** / **VOICE MAIL** button to return to the STANDBY mode.

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

C. RINGER VOLUME

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

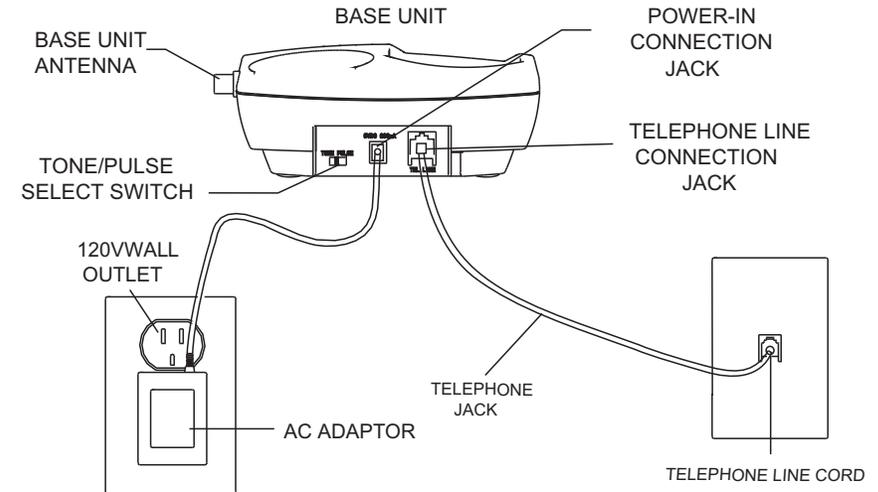
1. Press the **FLN** / **VOICE MAIL** button and hold down.
2. Press the TELEPHONE KEYPAD **4** button.
3. Press the **EDIT** / **FLASH** button.
4. Press the SCROLL UP **▲** OR DOWN **▼** button to adjust the ringer volume suitable for your convenience. HI is the preset ringer volume.
5. Press and hold down the **SAVE** / **RE/PA** button.
6. Press the **FLN** / **VOICE MAIL** button to return to STANDBY mode.

D. AREA CODE

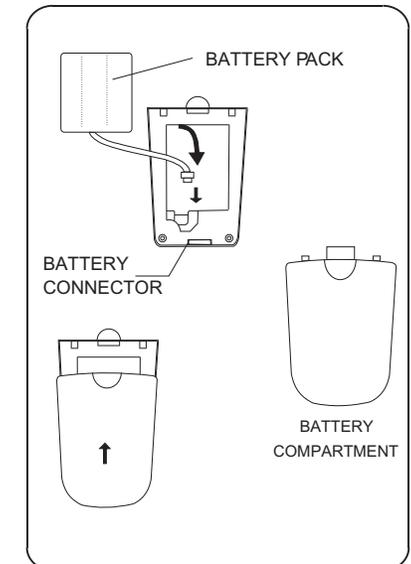
At any time during options programming of a home area code where 7-digit is used for ease of call back, please use the following instructions if 10-digit numbers are used in your area.

1. Press the **FLN** / **VOICE MAIL** button and hold down.
2. Press the TELEPHONE KEYPAD **6** button.
3. Press the **EDIT** / **FLASH** button.

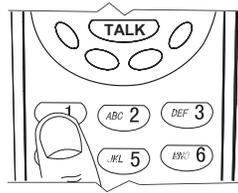
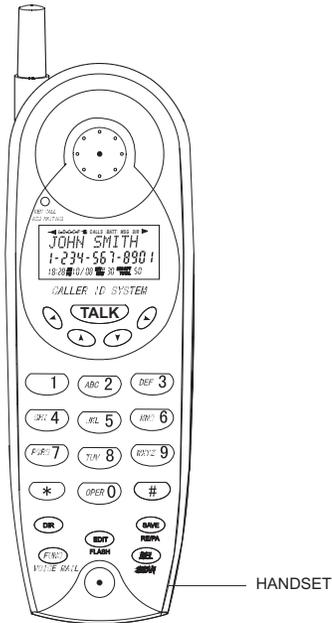
Getting Started



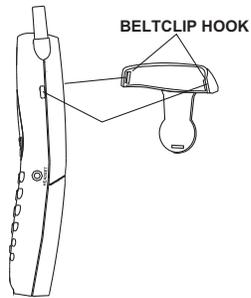
8. Install the BATTERY PACK by plugging it into the BATTERY CONNECTOR inside the BATTERY COMPARTMENT.
9. Place the BATTERY PACK inside the BATTERY COMPARTMENT.
10. Slide the **HANDSET BATTERY COMPARTMENT COVER** firmly into place in its closed position.
11. **IMPORTANT: Before initial use, charge the HANDSET for 12 hours.**
12. 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 TONE/PULSE select switch to the PULSE position.
 - C. If you are unsure which system you have, set the TONE/PULSE select switch to the TONE position. Press the **TALK** button on the HANDSET to make a call. If the call connects, leave the switch as is; otherwise set to the PULSE position.



Getting Started



Press the **TALK** button to confirm that you have a dial tone. If you do not get a dial tone, review steps 3 through 12. If you still do not have a dial tone, refer to the Problem Solving section on page 28.



With the back of the **HANDSET** facing up, insert one side of the **BELT CLIP HOOK** into the matching slot at the top side of the **HANDSET**. Press down on the opposite side of the **BELT CLIP** until the other hook locks into the slot on the side of the **HANDSET**.

13. Set the date and time.

You are now ready to use your new CORTELCO Cordless Telephone

IMPORTANT

In order to utilize the Caller ID feature, you must subscribe to Caller ID service from your local telephone company.

Caller ID System Operation

A. LANGUAGE

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

1. Press the **FUNCTION / VOICE MAIL** button and hold down.
2. Press the **TELEPHONE KEYPAD 1** button.
3. Press the **EDIT / FLASH** button.
4. Press the **SCROLL UP** or **DOWN** button to select English, Spanish, or French. English is the preset language.
5. Press and hold down the **SAVE / RE / PA** button.
6. Press the **FUNCTION / VOICE MAIL** button to return to **STANDBY** mode.

B. TIME SET

Set the date and time

1. Press the **FUNCTION / VOICE MAIL** button hold down..
2. Press the **TELEPHONE KEYPAD DEF 3** button.
3. Press the **EDIT / FLASH** button.
4. Press the **SCROLL UP** or **DOWN** to enter the month, date, hour and minute. To move cursor, press **SHIFT LEFT** or **RIGHT**.
5. Press and hold down the **SAVE / RE / PA** button.

Caller ID System Operation

Function Operation

This unit contains the following special functions:

- | | |
|----------------------|----------------|
| A. LANGUAGE | F. AREA CODE |
| B. FIRST RING ON/OFF | G. FLASH TIME |
| C. TIME SET | H. PAUSE TIME |
| D. RINGER VOLUME | I. VOICE MAIL |
| E. LCD CONTRAST | J. MSG WAITING |

To access, press the **FUNCTION/VOICE MAIL** button and hold down while in STANDBY mode, then press the TELEPHONE KEYPAD **OPER 0** **RXYZ 9** buttons or the SCROLL DOWN **Y** button.



KEYPAD **1** Button



KEYPAD **ABC 2** Button



KEYPAD **DEF 3** Button



KEYPAD **GHI 4** Button



KEYPAD **JKL 5** Button



KEYPAD **MNO 6** Button



KEYPAD **PQRS 7** Button



KEYPAD **TUV 8** Button



KEYPAD **RXYZ 9** Button



KEYPAD **OPER 0** Button

Cordless Telephone Operation

Preparing for Use

Before you can use cordless telephone, you must charge the **HANDSET** for 12 hours. Failure to do so will require recharging of the **BATTERY PACK** more often. (See page 26 for more information on the **BATTERY PACK**)

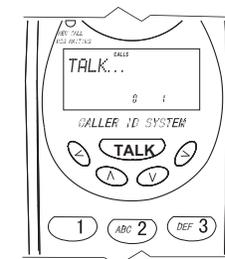
1. Place the **HANDSET** on the **BASE UNIT** for 12 hours.
2. After 12 hours, remove the **HANDSET** from the **BASE UNIT**.
3. Raise or reposition the **BASE UNIT ANTENNA** for the best reception.

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 three days when the **HANDSET** is off the **BASE UNIT** in STANDBY mode.

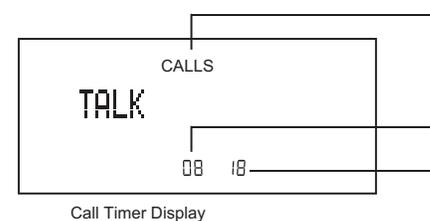
Receiving calls

1. When the phone rings, lift the **HANDSET** and press the **TALK** button. The **HANDSET LCD** Screen will display "CALLS" and "TALK", and 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.



NOTES:

1. The Call Timer will start to count once you press the **TALK** button.
2. The LCD Screen emits light for 8 seconds every time you press any of the TELEPHONE KEYPAD buttons.



When "CALLS" appears on the LCD Screen, it means the **HANDSET** IS OFF-HOOK (connected to the telephone line).

Minutes

Seconds or Channel (Press the scan/del button to display the channel).

Cordless Telephone Operation

Placing Calls

1. Press the **TALK** button, the Call Timer starts to count. The **HANDSET** LCD Screen will display "CALLS" and "TALK", and the **BASE UNIT** IN USE LED indicator will light up.
2. Listen for a dial tone.
3. Dial the phone number.
4. When you have finished your call, press the **TALK** button again or place the **HANDSET** on the **BASE UNIT**.

NOTE: You can pre-Dial the phone number before you press the **TALK** button. The number displayed will be dialed once **TALK** is pressed.



Caller ID System Operation

Deleting All Records in the PHONE BOOK

1. Press the **DIR** button to enter the phone book list. (If the phone book is not full, the LCD screen will display "NEWDATA", press scroll UP or DOWN to enter the phone book list)
2. Press and hold down the **DEL/SCAN**, the LCD screen will display "ERASE ALL"



3. Press **DEL/SCAN** again, the LCD Screen will display "ALL ERASED", and then return to the idle display.

Selective Deleting in the PHONE BOOK

1. Press the **DIR** button.
2. Press the SCROLL UP **▲** or DOWN **▼** button to find the record you want to delete.
3. Press **DEL/SCAN** button, the LCD Screen will display the "ERASE ITEM"



4. The record will be deleted if you press **DEL/SCAN** button again, and the LCD Screen will display the next record.
5. Press the **DIR** button to return to STANDBY mode.

Caller ID System Operation

Placing Calls from the PHONE BOOK

1. Press the **DIR** button.
2. Press the **SCROLL UP** **▲** or **DOWN** **▼** button to find the record you want to call.
3. Press the **FIN/ VOICE MAIL** button to change the format of the displayed number.
Available formats Include:

Number of digits	Explanation	Example
Eleven digits	Long distance code "1" +3 - digit area cod +7 - digit telephone number.	1-234-567-8901
Ten digits	3-digit area code+ 7-digit telephone number.	234-567-8901
Seven digits	7-digit telephone number.	567-5901

4. Press the **TALK** button to dial the number displayed in the screen.
5. To end your conversation, either press the **TALK** button or place the **HANDSET** on the **BASEUNIT**.

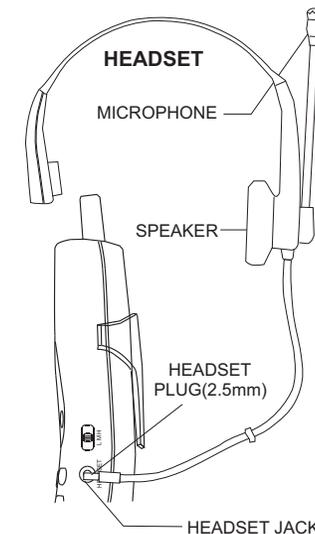
NOTE: If the phone company does not supply all ten digits of an incoming caller, you will not be allowed to adjust the format of that number.

Cordless Telephone Operation

Using the Headset Feature

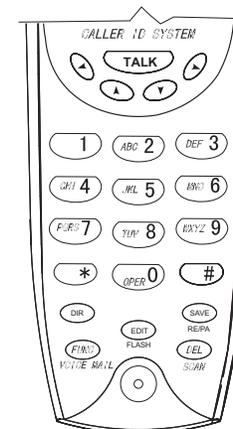
Your telephone can utilize a headset (not included) to be connected to your **HANDSET** for you to enjoy hands-free communication. Insert the small plug at the end of the headset into the **HEADSET JACK** at the right side of the **HANDSET**. Follow the procedures discussed in "Receiving Calls "and" 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.



Redial Feature

1. If you get a busy tone, press the **TALK** button or place the **HANDSET** on the **BASE UNIT** to hang up.
2. Later, press the **TALK** button again.
3. Listen for a dial tone.
4. Press the **SAVE RE/PA** button, this will automatically redial the last telephone number you called.
5. When you have finished with your call, press the **TALK** button again or place the **HANDSET** on the **BASE UNIT**.



NOTE:

If you are too far away from the **BASE UNIT**, the **HANDSET** emits "beep" sounds to warn you that the Background noise level is too high for proper communication between the **HANDSET** and the **BASE UNIT**. When you hear this sound, you should move closer to the **BASE UNIT** to reduce the noise level. Otherwise, the call will automatically cut off.

Caller ID System Operation

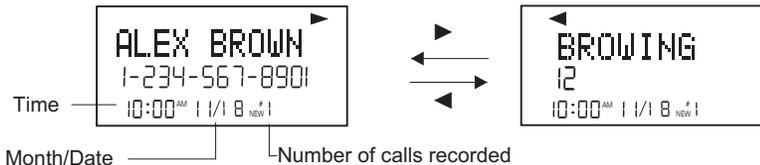
Caller ID System

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

1. 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 digits.



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

OR
"OUT OF AREA" will appear if the origin of the incoming call does not support the Caller ID system.



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

OR
"DATA ERROR" will appear if the wrong data was received from the telephone line.

OR
The name stored in memory will appear for an incoming call with matching telephone numbers.

"MSG WAITING" (Message Waiting)

The MSG WAITING GREEN 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" will appear on the LCD Screen in STANDBY mode. (To remove the MESSAGE WAITING indicator, see page 23 for detail)

Caller ID System Operation

Editing the Name and Number in the PHONE BOOK

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



3. Press the  button to edit the name.



cursor is blinking

4. Press the SHIFT LEFT  or RIGHT  button to move the cursor to the letter you want to change. To add, use the TELEPHONE KEYPAD   buttons. (See page 26 for details.) To erase, press the .
5. Press the SCROLL UP  or DOWN  button to edit the number.
6. Press the SHIFT LEFT  or RIGHT  button to move the cursor to the number you want to change. To add, use the TELEPHONE KEYPAD   buttons. See page 24 for details.) To erase, press the .



cursor is blinking
on the number

7. Press and hold down the  button to confirm.

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

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

Caller ID System Operation

Saving in the PHONE BOOK

1. Press the **DIR** button. The LCD screen will display "PHONE BOOK".(a record will be displayed if the phone book is full, the phone book can store up to 64 records)
2. Press the **EDIT**/FLASH button to enter new record.
3. Use the TELEPHONE KEYPAD **1** **WXYZ 9** buttons to enter the name (see page 24 for detail), the cursor will move after a second, to store a maximum of 16 characters.
4. Press the SCROLL DOWN **↓** button once.
5. Enter the telephone number by using the TELEPHONE KEYPAD **OPER 0** **WXYZ 9** buttons. You can store up to 16 digits.
6. Press and hold down the **SAVE RE/PA** button.
7. Press the **DIR** button to return to STANDBY mode. (If no active button are pressed for 20 seconds, the LCD Screen will automatically return to STANDBY mode.)

NOTE:

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

PREFERRED CALLS

You can assign Preferred Call which will generate a special ringer at the start of the second ring cycle to welcome any caller in the Phone Book. When you are saving the name and number into the PHONE BOOK, add a **#** mark at the beginning of the name by pressing the TELEPHONE KEYPAD **#** button.

BLOCKED CALLS

You can assign a BLOCKED CALL which will disable the ringer sound from the second ring to any caller in the PHONE BOOK. When you are saving the name and number into the PHONE BOOK, add an ***** mark at the beginning of the name by pressing the TELEPHONE KEYPAD ***** button.

Caller ID System Operation

Call Waiting

When you subscribe to a 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 phone conversation with your first caller.

1. When you are having a conversation, this telephone will automatically display the name and number of the second caller.
2. Press the **EDIT**/FLASH button to answer the second caller. The first caller's name and number will be displayed.
3. When you have finished, press the **EDIT**/FLASH button to continue with your conversation with the first caller.

e.g. 

1st caller

e.g. 

2nd caller

If you do not want to interrupt your phone conversation with the first caller, you can advise the second caller to leave a Voice Mail message instead.

Voice Mail Function

When there is a Voice Mail message for you, the "MSG" icon on the LCD Screen and the MESSAGE WAITING LED indicator will blink.

1. To access your Voice Mail message, press the **TALK** button.
2. After you hear a dial tone, press the **FUNC**/VOICE MAIL button. This will automatically dial the Voice Mail Post Code in your area and connect you to the Voice Mail service provider.

NOTE: You should store the Voice mail Post Code number by using the Voice Mail function on page 23. You can also call your Voice Mail service provider by dialing the Voice Mail Post Code number after pressing the **TALK** button.

"C-F"(Call Forward)

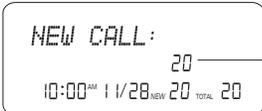
Appears on the upper left hand side, when the incoming call has been assigned to your telephone number.

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

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

Caller List

Records call information for up to 80 incoming calls such as caller's name and telephone number together with the date and time of the call. After recording a new incoming call, the NEW CALL indicator will blink and the LCD Screen will look as shown below:

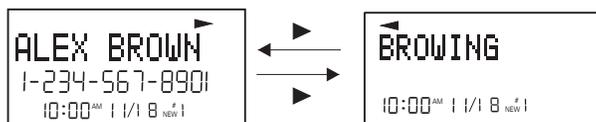


No. of new calls.
Maximum calls=80

Caller ID System Operation

Viewing the Caller List

1. Press the SCROLL DOWN (Y) button to view the latest Caller ID record, or press the SCROLL UP (A) button to view the first Caller ID record, press the SHIFT RIGHT (R) button if the name has more than 11 digits.



2. Press the (DIR) button to go back to STANDBY mode. (If no active buttons are pressed for 20 seconds or you have viewed the last Caller ID record in the Caller's List, the LCD Screen will automatically return to STANDBY mode.)

Placing a Call from the Caller List

1. Press the SCROLL DOWN (Y) button to select from the first Caller ID record, or press the SCROLL UP (A) button to select from the first Caller ID record.
2. Press (FUNC) / VOICE MAIL button to select the correct format. (7 digits, 10digits, 11digits)
3. Press (TALK) button to dial the number.
4. To end your conversation, either press the (TALK) button or place the HANDSET on the BASE UNIT.

Saving the Name and Number in the Caller List into the PHONE BOOK

1. Press the SCROLL UP (A) or DOWN (Y) button to find the caller.
2. Press and hold down the (SAVE) RE/PA button.

NOTE: It is not advisable to save a telephone number without the corresponding name. This will lead to improper display on Private and Out of Area calls.

Caller ID System Operation

Deleting All Records in the Caller List

1. Press and hold down the (DEL) / SCAN button while in the caller list, and display "ERASE ALL"
2. Press (DEL) / SCAN button again to delete all records, the display "NO CALL"
3. Press (DIR) button to return to STANDBY mode. (If no active button are pressed for 20 seconds, the LCD screen will automatically return to STANDBY mode)



Selective Deleting in the Caller List

1. Press the SCROLL UP (A) or DOWN (Y) button to find the Caller ID record while in STANDBY mode.
2. Press (DEL) / SCAN button, the LCD Screen will display "ERASE ITEM".
3. Press the (DEL) / SCAN again, the LCD Screen will display the next Caller ID record in the Caller List.
4. Press the (DIR) button to return to STANDBY mode.

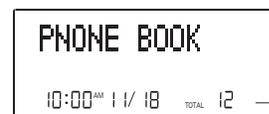


PHONE BOOK

This DIRECTORY lets you scroll through the list to find the record you need for one touch dialing. You can Store up to 64 names and telephone numbers in the Memory.

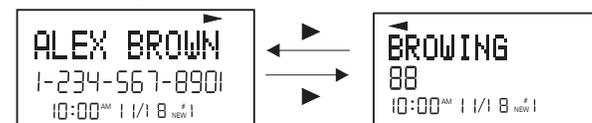
Viewing the PHONE BOOK

1. Press the (DIR) button



No. of records stored

2. Press the SCROLL UP (A) or DOWN (Y) button to find the one you need, press the SHIFT RIGHT (R) button if the name or telephone number is more than 11digits.



NOTE: To exit the PHONE BOOK List at anytime, press the (DIR) button.