

Congratulations! You have purchased one of the most sophisticated and versatile cordless telephone systems available. To enjoy the best performance from the UNIT's many features, please read this Owner's Guide carefully and save it for future reference.

INTRODUCTION TO YOUR MULTI-HANDSET SYSTEM TELEPHONE

The unit is different from conventional cordless telephones. The base unit, when connected to AC power and a telephone line, can support the operation of up to eight handsets. You can now place a fully featured cordless handset anywhere in your home or office that you have AC power to connect the handset chargers.

Since the system and the adjunct handsets (available separately) are system telephones, you can enjoy advanced telephone features like handset to handset intercom and call transfer.

The system Directory holds up to 80 names and phone numbers, and can be accessed from any of the handsets. All of your commonly dialed numbers can be quickly retrieved for easy, one-touch dialing.

2.4 GHz FHSS (Frequency Hopping Spread Spectrum) technology offers extended range, clarity and digital security. A belt clip and headset jack (2.5 mm) provide handsfree convenience when used with an optional headset.

PACKING LIST

Please take a moment to locate and identify the components shipped with your Telephone System. Enclosed within the packaging:

- Base Unit
- Cordless Handset
- AC Adapter
- Belt Clip
- Telephone Line Cord
- Battery Pack
- Owner's Guide and Quick Reference Guide

SELECTING A LOCATION FOR THE BASE UNIT

The base unit needs AC power and connection to a telephone jack. This location should be as central as possible in your home or office.

SELECTING A LOCATION FOR ADDITIONAL HANDSETS

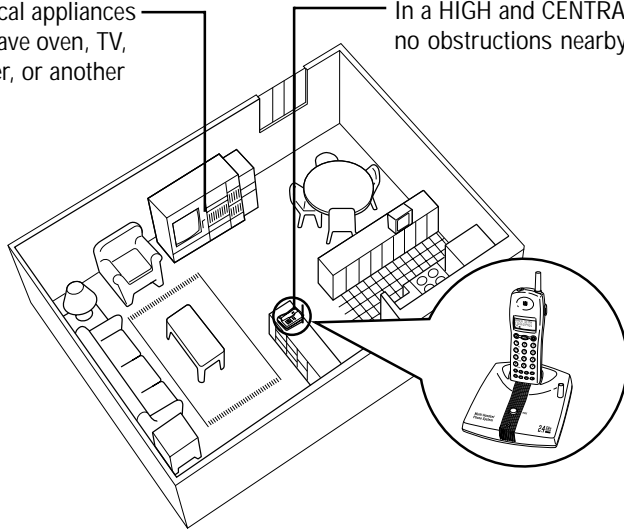
Anywhere you have power will do! Avoid high humidity or high heat areas, and keep the handsets out of extended exposure to direct sunlight. Handsets can be swapped in their chargers at any time and can be placed anywhere within the extended transmission range of the base.

OPERATING DISTANCE/NOISE INTERFERENCE

For optimal performance, your phone's base unit should be installed as follows:

Away from electrical appliances such as a microwave oven, TV, personal computer, or another cordless phone.

In a HIGH and CENTRAL location with no obstructions nearby.



NOTE:

While using the handset:

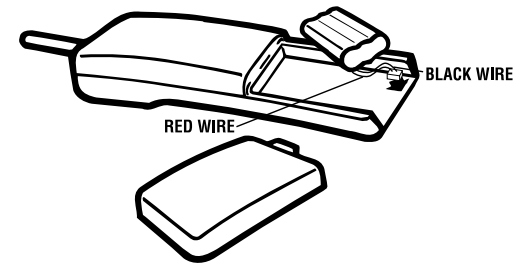
- If you are near a microwave oven which is being used, noise may be heard at the receiver. Move away from the microwave oven and closer to the base unit.
- If more than one cordless phone is being used and your handset is near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.

INSTALL THE BASE UNIT

- 1 Plug the line cord into the "TEL LINE" jack on the back of the base unit and the other end into your telephone wall jack.
- 2 Connect the AC adapter to the back of the base unit and plug into an electric outlet.

INSTALL THE HANDSET BATTERY

- 1 Slide open the battery compartment cover and connect the NiMH battery pack as shown in the illustration at the right.



WARNING

To prevent fire or shock hazard, do not expose the set to rain or moisture. To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

CAUTION

1. Use batteries only intended for recharging. Use only the following battery pack: Nickel Metal Hydride, 3.6 volts, 700 mAh.
2. Do not dispose of the battery(ies) in a fire. The cell may explode. Check with local codes for special disposal instructions.
3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care when handling the battery(ies) in order not to short the battery(ies) with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.

SYSTEM REGISTRATION

(SECURITY CODE)

PROGRAMMING THE SYSTEM SECURITY CODE

All handsets must be programmed with the **SAME security code** (Sec. Code) in order to operate as a system. The first handset that is programmed must be registered to the base (see instructions below). Additional handsets need only be programmed with the same security code to begin operation.

- 1 Press **PRG** (Program).



- 2 Press **▲** or **▼** (located on the side of the handset) until "Sec Code" displays.

- 3 Enter **"#"** to begin programming the security code.



- 4 Using the keypad, enter any 6 digit code.

NOTE:

- Once you choose a security code for the first handset, you must use the **SAME** code for each additional handset. Don't worry about forgetting the code- it can be displayed on the handset to remind you of the code when you add additional handsets.

- 5 Press **OFF** or **PRG** to end the programming session **OR** press **▲** or **▼** to advance to another programming step.

NOTE:

- Make sure you don't confuse the System Security Code with the Handset ID number. Each handset must have the **SAME** System Security Code, but they must have **DIFFERENT** Handset ID numbers.

REGISTERING THE HANDSET TO THE BASE

If you are programming the **FIRST** handset in the system, you must register the new system security code to the base unit.

- 1 Position the handset close (within 6-8 inches) to the base.

- 2 Press **PRG**.

- 3 Press **▲** or **▼** until "REGISTER HS to Base" displays.

- 4 Press **and hold PAGE** on the base unit for at least 3 seconds. The light will begin to flash.

- 5 Release **PAGE**.

- 6 Press **"#"** on the handset. Keep holding **"#"** until a confirmation beep is heard.

NOTE:

- You **don't** need to hold both buttons (PAGE and "#") at the same time. After you press and release the PAGE button, then press the "#" button until you hear the confirmation beep. If you don't hear the beep after about 15 seconds, try repeating the steps again.

- 7 Press **OFF** or **PRG** to end the programming session **OR** press **▲** or **▼** to advance to another programming step.

BASIC PROGRAMMING

PROGRAMMING THE HANDSET ID

Each handset must have a **DIFFERENT** handset ID number. If any two handsets have the same ID number, the entire system will not function properly.

- 1 Press **PRG**.
- 2 Press **▲** or **▼** until "Handset ID" displays.
- 3 Press **"#"** to begin programming the Handset ID.
- 4 Enter a selected 2-digit station ID number (choose any number from 11-70).
- 5 Press **OFF** or **PRG** to end the programming session **OR** press **▲** or **▼** to advance to another programming step.

- 4 Press **"#"** to toggle between "On" and "Off".

- 5 When the desired setting is displayed, press **OFF** or **PRG** to end the programming session **OR** press **▲** or **▼** to advance to another programming step.

NOTE:

- When the ringer is set to "Off", an icon will display to alert you that the handset will not ring during incoming calls.



RINGER TYPE PROGRAMMING

The unit allows you to select one of four ring tones for each handset. The ringer type default is set to type 1.

- 1 Press **PRG**.
- 2 Press **▲** or **▼** until "Ring Type" displays.
- 3 Press **"#"** to toggle between any one of the four ring tones. Each time you make a selection, you will hear the corresponding ringer sound.

- 4 When the desired ringer type is displayed, press **OFF** or **PRG** to end the programming session **OR** press **▲** or **▼** to advance to another programming step.

TURNING THE RINGER ON/OFF (L1 Ring)

You can turn the ringer on or off on each handset.

- 1 Press **PRG**.
- 2 Press **▲** or **▼** until "L1 Ring" displays.
- 3 The current setting will be displayed on the second line of the display.

PROGRAMMING THE FLASH TIME

In the unlikely event that you need to change the unit's flash duration, the unit allows you to choose from four pre-programmed settings. The default setting of 600 ms will usually not need to be changed. If the phone is being used for a Centrex service or in a country outside of North America, it is possible that you might need to change the setting. Contact your service provider for the specific requirements.

1 Press **PRG**.

2 Press **▲** or **▼** until "Flash Time" displays.

3 Press **"#"** to toggle among the flash time choices of 600/100/275/375 ms.

4 When the desired flash time is displayed, press **OFF** or **PRG** to end the programming session **OR** press **▲** or **▼** to advance to another programming step.

NOTE:

- Flash Time is a universal setting. When the mode is changed on any handset, the setting is changed for the entire system.

TONE/PULSE MODE PROGRAMMING

You may program your phone to be a TONE or PULSE dialing phone. Most telephone services dial in the TONE mode.

1 Press **PRG**.

2 Press **▲** or **▼** until "Tone/Pulse" displays.

3 Press **"#"** to toggle between the tone and pulse modes.

4 When the desired setting is displayed, press **OFF** or **PRG** to end the programming session **OR** press **▲** or **▼** to advance to another programming step.

NOTE:

- Tone/Pulse Mode is a universal setting. When the mode is changed on any handset, the setting is changed for the entire system.

PROGRAMMING THE HOLD REMINDER

The unit can be programmed to remind you if a call has been left on hold for extended periods of time. You can choose how often you wish to be alerted or if you wish to turn-off this feature.

1 Press **PRG**.

2 Press **▲** or **▼** until "Hold Remind" displays.

3 Press **"#"** to toggle among the settings (15, 30, 45 or 60 seconds or OFF).

4 When the desired setting is displayed, press **OFF** or **PRG** to end the programming session **OR** press **▲** or **▼** to advance to another programming step.

NOTE:

- Hold Reminder is a universal setting. When the setting is changed on any handset, the setting is changed for the entire system.

PROGRAMMING AREA CODE

It is only necessary to enter your area code if you choose the "Smart Dial" method for dialing from Caller ID records (see "Dialing Mode" section). The Smart dialing method will compare the area code of the Caller ID number to your local area code to determine whether to dial 7 digits or 11 digits.

NOTE:

- Area Code programming will ONLY display when "Smart Dial" is selected as the Dialing Method. If any other method is selected, the Area Code programming option will be hidden. Once the Area Code has been set, it will remain in the system's memory, even if the option is hidden.

To enter your area code:

1 Press **PRG**.

2 Press **▲** or **▼** until "Area Code" displays.

3 Press **"#"** to enter your Area Code.

4 Using the keypad, enter your 3 digit Area Code.

5 Press **OFF** or **PRG** to end the programming session **OR** press **▲** or **▼** to advance to another programming step.

NOTE:

- Area Code is a universal setting. When the setting is changed on any handset, the setting is changed for the entire system.

DIALING MODE

When dialing from Caller ID records, the unit can use one of the following four dialing methods:

- 7/10/11 Digit Dialing** – For each call, the unit will prompt you to choose 7-digit, 10-digit, or 11-digit dialing, based on the local telephone company's requirements. This system is useful in areas that sometimes require the user to dial 10 or 11 digits for local dialing. When dialing from a Caller ID record, the LCD will display your choice of 7, 10, or 11 digits. Press "1" to initiate dialing using 7 digits, Press "2" for 10 digits, or Press "3" for 11 digits.
- All 11 Digit Dialing (Always 11)**– For each call, the unit will dial 11 digits (a "1" and the area code, followed by the 7 digit number).
- Smart Dialing** – For each call, the unit will look at the Caller ID phone number to see if the area code of the number matches your local area code (Note- this feature requires you to enter your area code – see "Programming Area Code"). If the area code does match, the unit will dial only 7 digits. If it does not match, the unit will dial 11 digits.
- Exact Dialing** – The unit will always dial the exact digits that are displayed in the Caller ID record.

PROGRAMMING DIALING MODE

- 1 Press **PRG**.
- 2 Press ▲ or ▼ until "Dialing Mode" displays.
- 3 Press "#" to toggle among the settings.
- 4 When the desired setting is displayed, press **OFF** or **PRG** to end the programming session **OR** press ▲ or ▼ to advance to another programming step.

NOTE:

- Dialing Mode is a universal setting. When the mode is changed on any handset or the base, the setting is changed for the entire system.

PROGRAMMING LINE IN USE DETECTION (LIU DETECT)

The unit can be programmed to detect whether the line is properly connected, and to display when the line is being used. For most users, this feature should be programmed to "On". If you are connecting the unit to a PBX system or if you live in an area prone to line voltage irregularities, you may want to turn this feature "Off".

When LIU is set to "On", line-in-use status will be displayed as follows:

On handset – L1 icon will display when the line is in use.

On base unit – Base LED will flash when the line is in use.

To program Line In Use Detection:

- 1 Press **PRG**.
- 2 Press ▲ or ▼ until "LIU Detect" displays.
- 3 Press "#" to toggle between "On" and "Off".
- 4 When the desired setting is displayed, press **OFF** or **PRG** to end the programming session **OR** press ▲ or ▼ to advance to another programming step.

NOTE:

- LIU Detect is a universal setting. When the mode is changed on any handset, the setting is changed for the entire system.

PRIVACY

The Privacy setting is only necessary if the handset is used with a 2-Line multiple handset system. This setting is not necessary when using the system. Regardless of whether Privacy is programmed to "On" or "Off", the unit's operation will not be affected.

PROGRAMMING THE RINGER LEVEL

Select between three volume levels for the handset's ringer.

- 1 Press **PRG**.
- 2 Press ▲ or ▼ until "Ring Level" displays.
- 3 Press "#" to toggle among the settings Low/Mid/Hi.
- 4 When the desired setting is displayed, press **OFF** or **PRG** to end the programming session **OR** press ▲ or ▼ to advance to another programming step.

RESETTING THE HANDSET

At any time, you may reset a handset to return to the factory default settings. Please note that this action will completely restore the handset to its factory programmed settings. Resetting the handset will **NOT** reset the universal settings or the stored information (such as Caller ID records) contained in the base unit.

- 1 Press **PRG**.
- 2 Press ▲ or ▼ until "Reset ?" displays.
- 3 Press **PRG** again to complete the reset. You will hear a beep to confirm that the reset process has been initiated. The LCD will display:

```
PRG OK!
Resetting
```

- 4 After 15 seconds, the handset will return to standby mode.

NOTE:

- Make sure to set the Handset I.D. and Security Code after resetting the handset. Each handset has the same default Handset I.D. of station 11. If more than one handset has the same Handset I.D., the system will not function properly.

STANDBY (IDLE) MODE

The unit is in standby mode whenever it is idle and waiting for a call. In standby mode, the handset LCD will display the current ringer volume setting and the handset's station ID:

```
Ring:Low
ID:12
```

VOLUME CONTROL

There are 5 receiver volume levels.

- 1 Press ▲ or ▼ on the side of the handset to change the volume level of the handset during a conversation.
- 2 When you reach the maximum or the minimum volume settings, you will hear a beep.
- 3 The volume control automatically stays at the last setting after each phone call.

PLACING A CALL

- 1 Pick up the handset and press either **TALK** button (● or ○).



- 2 Wait for a dial tone and then dial the phone number. The number will appear in the display as you dial.

```
L1 00:04
13105553345
```

- 3 Ten digits can be shown at one time on the display. If more than ten digits are entered, the “←” will appear to indicate that additional digits are contained in the number.

CALL TIMER

During a phone call, a timer, located at the top right corner of the LCD, will display the elapsed time of the call.

```
L1 02:47
13105553345
```

TO END A CALL

- 1 To hang up, press **OFF** or return the handset to its charger.



RECEIVING A CALL

- 1 When the phone rings, pick up the cordless handset and press either **TALK** button (● or ○) to answer the call.

LAST NUMBER REDIAL (RDL)

The unit remembers the last number you dialed. The redial memory will hold up to 32 digits. Every time you dial a new telephone number, the redial memory is updated with the new number.

- 1 Press one of the **TALK** buttons (● or ○) and wait for a dial tone.

- 2 Press **RDL**.



- 3 The last number dialed will be displayed in the LCD and will be automatically dialed.

DISPLAY REDIALING

Display redialing allows you to view the first 10 digits of the last number dialed. This is useful if you aren't sure what number was last dialed.

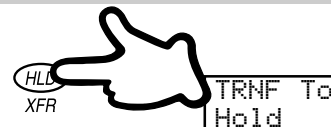
- 1 Without pressing one of the **TALK** buttons, press **RDL**. The LCD will display the last number dialed.
- 2 Press one of the **TALK** buttons (● or ○) and the number will be automatically dialed.

NOTE:

- If you do not press one of the **TALK** buttons within 15 seconds, the unit will return to standby mode.

PLACING A CALL ON HOLD

- 1 During a phone conversation, press **HLD/XFR** on the handset. The LCD will display:



- 2 If you wish to transfer the call to another handset, dial the desired handset ID number.

- 3 If you do not transfer the call, it will remain on Hold.

AUDIBLE HOLD REMINDER

Audible Hold Reminder is designed to prevent calls from accidentally being placed on hold for a long duration of time. Audible Hold Reminder automatically alerts the station that placed the call on hold, that the call has been unattended for longer than the hold reminder time. The default hold reminder time is 30 seconds. To change the hold reminder time, see page 6.

HOLD RECALL RING

If the call on hold is not picked up for 3 minutes, all handset units will start to ring (Recall Ring) to remind all of the stations that a call is on hold.

TAKING A CALL OFF HOLD

- 1 Press one of the **TALK** buttons (● or ○) OR pick up another phone on the line (including any of the extension handsets).
- 2 The call will be released from Hold.

NOTE:

- If a call has been on hold for more than 5 minutes, the unit will automatically disconnect the call.

MULTIPLE HANDSET SIMULTANEOUS CONVERSATIONS

The unit is a multiple handset system, but the transceiver design can only allow one handset at a time to talk with an outside caller. A handset can transfer a call to another handset (see Transferring a Call, on page 12). When a handset is talking to an outside caller, another handset cannot join in the conversation. The other handset can, however, intercom a different handset and have an internal conversation.

TRANSFERRING A CALL

- 1 During a phone conversation, press **HLD/XFR** on the handset.



- 2 Dial the desired handset ID number.

- 3 The other handset will ring to indicate the incoming transferred call.

NOTE:

- If you do not enter a station number within 10 seconds, the display will return to standby with the call on hold.

ANSWERING A TRANSFERRED CALL

- 1 Pick-up the handset and press one of the **TALK** buttons (● or ○).
- 2 The call will be transferred to the new handset, and will be released from the other handset.

TRANSFERRED CALL ALERT

If a transferred call is not answered within 3 minutes, all handsets will start to ring to remind all of the stations of the unanswered call. An icon will flash in the LCD to indicate the transferred line. Any handset may answer the transferred call at this time.

MUTE FUNCTION

The mute feature turns off the microphone so the other party cannot hear you. You, however, are still able to hear the other party. The mute feature automatically cancels when you let go of the Mute key.

To initiate the mute feature during a conversation,

- 1 Press and **HOLD MUTE**, on the side of the handset. The LCD will display:



Mute 00:14

- 2 To resume your conversation, release **MUTE**.

TONE/PULSE MIXED DIALING

This feature is useful if your telephone service is PULSE and you need to use TONE dialing to access a special service. This feature is only needed if you have programmed the TONE/PULSE setting to PULSE mode.

- 1 Dial the telephone number and wait for the line to connect.
- 2 Press ***TONE** on the handset to temporarily change from PULSE dialing to TONE dialing.



- 3 Dial the tone numbers (such as automated menu choices).
- 4 Hang up and the unit automatically returns to the PULSE mode.

DO NOT DISTURB (DND) FEATURE

This feature can be used to temporarily prevent interruptions during meetings or telephone conversations. When you activate the DND feature on a handset, the handset will not ring for incoming calls, transferred calls, or intercom calls.

- 1 From standby mode, press **FCN** and then press **DND** (the "4" key).



Ring: DND
ID:20

- 2 To cancel the DND mode, press **FCN** and press **DND** again.


OUT OF RANGE WARNING

The unit has an operating range which can vary, depending on conditions such as climate, altitude, and the type of obstacles between the handset and the base. If you move out of the base unit's operating range, the LCD will display "Out of Range" and you will hear a double beep warning tone. Move closer to the base unit to deactivate the warning. If you remain out of range for too long, the unit will place the call on hold. Go back into range and pick up the held call.

HANDSET LOW BATTERY INDICATOR

When the battery pack needs recharging, the low battery icon will be displayed. You may also notice a reduction in the quality of your cordless handset communications. Return the handset to the charging station as soon as possible, whenever the low battery icon is on.

```
Ring: Mid
ID: 11
```



To avoid a low battery condition, it is recommended that you keep the handset in its charging station whenever it is not in use.

USING A HEADSET

Each handset can be used with any standard 2.5 mm. headset for handsfree operation.

- 1 Plug the headset into the headset jack on the top of the phone (remove the rubber plug if it is covering the hole).
- 2 Calls can now be made using the headset.
- 3 To return to using the handset without a headset, simply unplug the headset.

INSTALLING THE BELT CLIP

- 1 Place one side of the belt clip into the groove on the side of the handset.
- 2 Snap the other side of the belt clip into the groove on the other side of the handset.

MAKING AN INTERCOM CALL

You can call from one handset to another, without tying up the outside phone line.

- 1 From standby mode, press **INT**.



- 2 Dial the desired handset number. For example, if handset 12 calls handset 15, the LCD of the calling unit will display:

```
ICM To 15
ID:12 Ring
```

ANSWERING AN INTERCOM CALL

- 1 The LCD will show which handset is calling.

```
ICM By 12
ID:15 Ring
```

- 2 Pick-up the handset and press a keypad key. The LCD will display:

```
ICM By 12
ID:15 Talk
```

The calling party's LCD will display:

```
ICM To 15
ID:12 Talk
```

- 3 When the conversation is over, press **OFF** to release the call.

ROOM MONITOR

You can automatically turn on the microphone of a handset to listen for activity.

- 1 From standby mode, press **INT**.



- 2 Dial the desired handset number. The handset you are calling will ring.

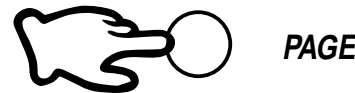
- 3 Press **INT** again. The microphone of the station you are calling will automatically turn on.

- 4 Exit by pressing **OFF**.

PAGE ALL HANDSETS

To page all the handset users or to locate the handset from the base unit:

- 1 Press **PAGE** on the base unit.



- 2 Each handset will make a chirping sound for about 15 seconds.

- 3 To turn off the page, press **OFF** on any handset.

CALL WAITING

Call waiting is a subscription service offered by your local telephone company. When you are on the line and another call comes in, a beep is emitted over the line. You can continue speaking to the first caller or, by pressing **FLS** (Flash), you can toggle to speak to the second caller.



VOICE MESSAGE INDICATION

If you subscribe to voice mail service from your local telephone company **AND** if your telephone company uses FSK message waiting indication (a signaling method that sends an indication that you have new, unplayed messages in your voice mail), the unit will alert you that you have new messages.

The unit will detect the message waiting signal and will activate indicators on the base and the handsets. The base LED will flash and the handsets will display "MsgWait".

```
L1 Msg Wait
ID:11
```

- 1 To retrieve your messages, follow the voice mail retrieval procedure specified by your local telephone company.
- 2 Soon after you review the new messages, a signal will alert the unit to turn off the voice message indicators.
- 3 To manually turn off the indicators, press **FCN** and then press **DEL** (*1#).

CALLER ID SUBSCRIPTION

Caller ID is a subscription service available from your telephone service provider. For the Caller ID feature to work on the unit, you must subscribe to the service.

To receive Caller ID information for a Call Waiting call, you must subscribe to **combined** Call Waiting Caller ID service from your telephone service provider. Even if you subscribe to both Caller ID and Call Waiting services separately, it is possible that you are not subscribed to the combined service.

MISSING CALLER ID DATA

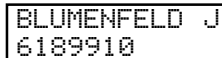
If a caller chooses to partially or completely "block" Caller ID information, a message will appear on the display indicating that the name and/or phone has been blocked. The call will display as a Caller ID record, showing time and date information, and the message "PRIVATE". Other messages that might appear to indicate missing Caller ID data, are "Out of Area", "No Number" or "No Name". These messages indicate that complete Caller ID data was not sent.

CALLER ID DISPLAY

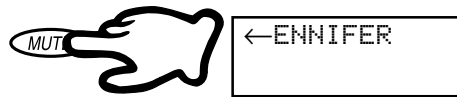
If you have subscribed to Caller ID service from your telephone company, each handset's display will show the telephone number and the name of the incoming call (if available), as well as the date and time the call is received. The information will display on the LCD while the phone is ringing (after the first ring), and is then stored in the unit's Caller ID database.

If the name or number is larger than 12 characters in length, the first 12 characters will display on the handset's screen.

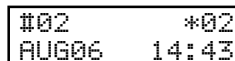
To view the remaining characters,



- 1 Press **MUTE** (on the side of the handset).



- 2 Press **MUTE** again to view the date and time of the call, as well as the Caller ID record number and the Repeat Indicator.



CALL WAITING CALLER ID

If you subscribe to Call Waiting Caller ID (combined service), you will receive Caller ID information (if available) from Call Waiting calls. During a phone call, you will hear a beep to indicate the presence of a Call Waiting call. Shortly afterward, the Caller ID information will appear on the handset LCD. You can then choose to answer the call, by pressing **FLS**, or let the incoming call continue to ring.



REVIEWING CALLER ID RECORDS

The unit can store 50 of the most recent Caller ID records. The records are stored in the base unit and can be accessed by any handset. Caller ID records are numbered sequentially, in the order in which they are received. When the 50 record memory is full, the oldest record will be deleted automatically each time a new record is received.

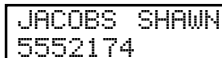
To view the Caller ID records stored in memory:

- 1 Press **CID** to enter the Caller ID database. The LCD will display the number of CID records:

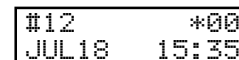


- 2 Press **▲** to view the most recent record.

- 3 The first display screen will show the name and the phone number, if available.



- 4 Press **MUTE** to toggle to the second display screen, which will show the record number, the time and date of the call, and the Repeat counter (see "Repeat Counter" section).



- 5 Press **MUTE** again to toggle back to the name and number display **OR** press **▲** to continue scrolling to the next most recent record. (Press **▲** to view earlier records and press **▼** to view later records).

- 6 Press **OFF** to exit, or wait 15 seconds and the LCD will revert back to the standby display.

REPEAT COUNTER

The unit is programmed to automatically condense all calls from the same phone number within the same day as a single Caller ID record. This feature saves memory and prevents the Caller ID log from being filled with duplicate records from frequent callers. Each time that a repeat caller calls again within the same calendar date, the unit will condense the calls into one Caller ID record, listing only the time of the most recent call. When viewing a Caller ID record, press **MUTE** to toggle to the screen that contains the record number, the time and date of the call, and the Repeat Counter. The Repeat Counter is located in the upper right side of the display. The number displayed in the Repeat Counter indicates how many times the repeat caller called that day. For example, if a Caller ID record displays a Repeat count of "3", this indicates that the caller called 3 times that day.



NOTE:

- You will never see a Repeat count of "1", because a call is not considered a Repeat until the caller has called twice. A Repeat count of "0" indicates that the Caller ID record is not a repeat call because the caller only called one time.

DIAL A CALLER ID RECORD

- 1 Press **CID** to enter the Caller ID database.
- 2 Press **▲** or **▼** to scroll to the desired Caller ID record.
- 3 Press either of the **TALK** buttons (**●** or **○**).
- 4 The unit will automatically dial the number.

DELETING A CALLER ID RECORD

- 1 Locate the desired Caller ID record.
- 2 Press **FCN** (**↑** will display to indicate "function" mode), and then press **DEL** ("1").



- 3 The display will ask for confirmation that you wish to delete the record.

DELETE ?

- 4 Press **PRG** to permanently delete the record.

DELETING ALL CALLER ID RECORDS

- 1 Press **CID**. The display will read "All CID".
- 2 Press **FCN** (**↑** will display to indicate "function" mode), and then press **DEL** ("1").
- 3 The display will ask for confirmation that you wish to delete all of the records.

DELETE ALL ?

- 4 Press **PRG** to permanently delete all of the records.

The unit allows you to store up to 80 names and numbers in an alphabetical phone Directory.

STORING A DIRECTORY RECORD

You may create a new Directory record or you may copy a Caller ID record into the Directory.

CREATING A NEW DIRECTORY RECORD

- 1 Press **DIR**.



- 2 Press **PRG**.

- 3 Press the appropriate keypad button to toggle through the letters and numbers associated with that key. The upper case letters will appear first, followed by the lower case letters, and the number. (For example- press the number "5" button to toggle among "J", "K", "L" "j", "k", "l", and the number "5").

J
(Name?)

- 4 When the desired letter appears, either wait 1-2 seconds for the cursor to automatically move to the next character, **OR** press **▲** or **▼** to manually move to the next character.

- 5 To add a 2 second pause to a Directory dialing sequence (for example, to add a delay between dialing a phone number and dialing a password or menu choice), press **FCN** and then press **PAUSE** ("7"). The letter "P" will display to indicate the placement of the pause. Add as many 2 second pauses as necessary.

- 6 Press **PRG** again to begin programming the phone number.

- 7 Use the keypad to enter the desired phone number. Remember to include a "1" for a long distance phone number and any prefixes necessary to access an outside line (such as a "9").

- 8 Press **PRG** again to complete. A confirmation beep will be heard.

EDITING TIPS

1. To move the cursor forward or backward while editing, press the **▲** or **▼** keys.
2. To insert a character, position the cursor to the right of the location in which you wish to add the character and type the new character.
3. To insert a space between two existing characters, position the cursor to the right of the location in which you wish to insert the space. Type "00", using the keypad, to insert the space.
4. To delete a character, position the cursor on the character, Press **FCN** (**↑** will display to indicate "function" mode), and then press **DEL** ("1").

COPYING A CALLER ID RECORD TO THE DIRECTORY

- 1 Locate the desired Caller ID record.
- 2 Press **DIR**.
- 3 A beep will confirm that the record (both name and number) was copied to the Directory. The screen will display "Directory OK".
- 4 Press **OFF** to exit to idle mode.

DIRECTORY FULL

If the Directory memory is full (80 records), the unit will alert you when you press **DIR**. The screen will display "Directory (Full)". If you wish to add additional Directory records, you must first delete records to create space in the Directory memory.

LOCATING A DIRECTORY RECORD (BY SCROLLING)

To scroll through the alphabetical list of Directory records:

- 1 From idle mode, press **DIR**.
- 2 Press the **▲** or **▼** keys to scroll through the Directory listings.

LOCATING A DIRECTORY RECORD (BY JUMPING)

To jump immediately to the Directory listings beginning with a selected letter:

- 1 From idle mode, press **DIR**.
- 2 Press the keypad button associated with the desired letter of the alphabet. Continue pressing the keypad button until the desired letter is displayed. For example, to display the letter "V", press the "8" key three times.
- 3 Press the **"#"** key to begin the search.

```
U
(#: Search)
```

- 4 The display will jump to the first Directory listing beginning with the chosen letter. If no Directory listing begins with the chosen letter, the display will jump to the next record alphabetically.

EDITING AN EXISTING DIRECTORY RECORD

- 1 Locate the desired Directory record.
- 2 Press **PRG**.
- 3 The existing Name will display, with the cursor flashing on the first character of the Name.
- 4 Follow the "Editing Tips" on page 19 to edit the Name.
- 5 Press **PRG** again to begin editing the Number.
- 6 Press **PRG** a third time to save the edited record.

PLACING A CALL FROM THE DIRECTORY

- 1 Locate the desired Directory record. Press either of the **TALK** buttons (● or ○).
- 2 The unit will automatically dial the number.

DELETING A DIRECTORY RECORD

- 1 Locate the desired Directory record.
- 2 Press **FCN** (↑ will display to indicate "function" mode), and then press **DEL** ("1").
- 3 The display will ask for confirmation that you wish to delete the record.

```
DELETE ?
```

- 4 Press **PRG** to permanently delete the record.

DELETING ALL DIRECTORY RECORDS

- 1 Press **DIR**. The display will read "Directory".
- 2 Press **FCN** (↑ will display to indicate "function" mode), and then press **DEL** ("1").
- 3 The display will ask for confirmation that you wish to delete all of the records.

```
DELETE ALL ?
```

- 4 Press **PRG** to permanently delete all of the records.

"NoSvc" displays on the LCD

- Make sure that the base unit is plugged in to the AC outlet.
- Make sure that the telephone cord is properly connected to the wall jack.
- The security code may not be properly registered to the base unit (See "Registering the Handset to the Base" - page 4).
- The individual handset may not be programmed with the correct security code (See "Programming the System Security Code" - page 4).

Handsets keep going "off hook" by themselves (won't hang up)

- Make sure that each handset has a DIFFERENT handset I.D.

One or more handsets don't communicate with the base or the other handsets

- Make sure that each handset has the SAME security code.

Poor Sound Quality

- The handset might be too far away from the base.
- Make sure the battery is fully charged.
- Do not use the phone near a microwave oven that is in use.
- Another phone might be causing interference.

"Out of Range" displays on the LCD

- The handset is too far away from the base unit. Move closer to the base unit.

No Caller ID data is displayed

- Confirm with your local telephone company that you are subscribed to Caller ID service.

No Call Waiting Caller ID

- Confirm with your local telephone company that you are subscribed to Call Waiting Caller ID. Even if you have subscribed to Call Waiting and Caller ID services separately, you may need to initiate the combined Call Waiting Caller ID service.

"Private", "Unavailable", or "No Name" Messages

- All or part of the Caller ID information is not being sent. The information is either unavailable or is being blocked by the caller.

During a Call Waiting Call, the speaker mutes temporarily

- This is normal operation. The speaker must be muted briefly to allow the phone to receive Call Waiting Caller ID information.

A second handset can't join the conversation

- Only one handset at a time can talk with an outside caller. To allow a different handset to talk to the caller, transfer the call to the other handset.

Voice Message Indication does not work

- Contact your local telephone company to make sure that your telephone line receives FSK message signaling.

1. This equipment complies with Part 68 of the FCC rules. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, provide this information to your telephone company.
2. The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the RENs of all devices should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.
3. If your telephone causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice is not practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC.
4. Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper operation of your equipment. If they do, you will be given advance notice so as to give you an opportunity to maintain uninterrupted service.
5. If there is a problem with this unit, the telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure that the equipment is not malfunctioning.
6. Repairs can only be made by the manufacturer or an authorized service agency. Unauthorized repairs void registration and warranty. Contact seller or manufacturer for details of permissible user-performed routine repairs, and where and how to have other than routine repairs made.
7. This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information.)

Jacks: RJ11 Ringer Equivalence: See bottom/underside of the unit.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes made by the user not approved by the manufacturer can void the user's authority to operate the equipment. **This product is hearing aid compatible.**

IMPORTANT SAFETY INSTRUCTIONS

TABLE OF CONTENTS

INSTALLATION INSTRUCTIONS

1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

SAFETY PRECAUTIONS

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

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water: for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious product damage.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation. To protect it from overheating, these openings must not be blocked or covered by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in an enclosed environment unless proper ventilation is provided.
7. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by animals or persons walking on it.
8. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
10. To reduce the risk of electric shock, do not disassemble this product. Take it to a qualified serviceperson when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect re-assembly can cause electric shock when the appliance is subsequently used.
11. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance.
12. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
13. Do not use the telephone to report a gas leak while near the leak.
14. You should use ONLY the power adapter supplied with your telephone.

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EASY TO USE OWNER'S GUIDE

2.4 GHz Spread Spectrum Multiple-Handset Cordless Telephone System with Call Waiting Caller ID

Technical Specifications

FCC Registration No: See bottom/
underside of the base

Frequency Control: Crystal

Operation Mode: 2.4 GHz Digital Spread
Spectrum

Ringer Equivalence: See bottom/
underside of the base

Jack: RJ11

Transmitting and Receiving Frequency
Handset and Base:
2.4 GHz - 2.4835 GHz

Number of Channels: 75

Security Code Combinations: 7,529,536

Power Source

Handset: Replaceable NiMH Batteries

Base Unit: DC 3.6V 700 mAh

Handset Battery Life

Standby: To 48 Hrs

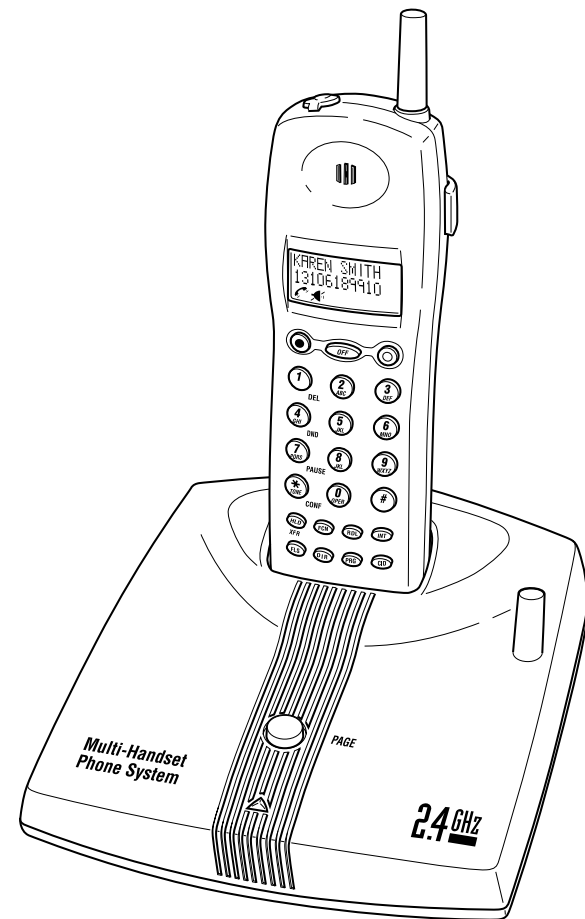
Talk: 3.5 - 4 Hrs

Recharging Time:
10-12 hours (with power off)

The unit is hearing aid compatible.

Design and specifications are subject to
change without notice.

1660 M1S1 1/01
Printed in China



HANDSET FEATURES

