

# **B150D**

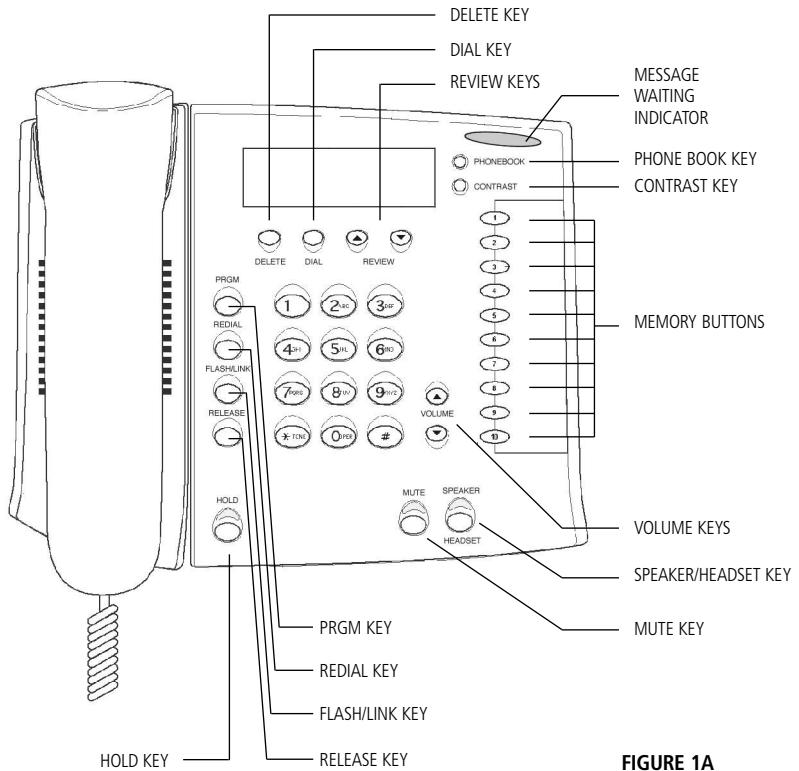
**Single-Line Business  
Speakerphone with CID Display**

## **User's Guide**

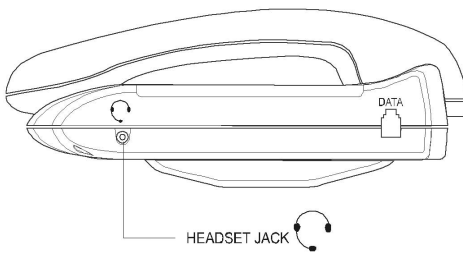


**TELEDEX**

# B150D TELEPHONE DIAGRAM



**FIGURE 1A**



**FIGURE 1B**

## CONGRATULATIONS AND THANK YOU!

Congratulations on your purchase of this quality Teledex analog business telephone. If you have any questions concerning this telephone or its operation, please contact us via one of the methods at right. We appreciate your purchase!

## CONTACTING TELEDEX

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## FEATURES

Your B150D has these useful features:

**99-Memory Caller ID** – stores up to 99 Caller ID records

**99-Memory Phone Book** – stores up to 99 phone book records

**3-Line Liquid Crystal Display** – allows you to view an entire caller ID record on one screen

**Call Summary** – displays the number of calls you received

**Call Waiting Caller ID** – displays information about an incoming call while you are on another call

**New Call Summary** – shows the number of new calls you have received

**Review Scrolling** – lets you easily scroll through all records in Caller ID memory

**Delete Button** – lets you erase call records one at a time, or all at once

**Repeat Calls** – a **REPEAT** icon will light up during reviewing of calls, to tell you that this is a repeat entry

**Message Waiting** – lets you know that you have received a voice mail message (if supported or provided by your local provider or PBX)

**Priority Call** – lets you save up to twenty phone book records in a priority list, and sounds an alert tone when any of those callers call

**Clock** – shows the date and time as provided to Caller ID service subscribers by your local provider

**Contrast Control** – lets you adjust the display contrast for best viewing

**Dial Key** – lets you dial the phone number in a Caller ID record with the touch of a button

**Speakerphone** – for convenient hands-free conversations

**10 One-Touch Memory Locations** – for quick access to frequently dialed numbers or PBX/Centrex services and features

**Flash/Link** – sends an electronic switch-hook signal for use with special phone services (such as call waiting)

**On-Hook Automatic Dialing** – lets you scroll to a phone number you wish to dial, and then automatically dial it either by pressing the **SPEAKER/HEADSET** key or by picking up the handset

**Call Timer** – automatically times the duration of each call

**5-Number Redial Buffer** – to quickly dial a recently dialed number

**Hold** – places a call on hold

**Mute** – mutes the microphone of the handset or speakerphone

**Release** – to re-access the line quickly for another dial tone, without pressing the hook switch or placing the handset back in its cradle

**Volume Control** – controls the volume of the handset, headset, speakerphone and ringer

**Headset Jack** – to connect an optional headset for hands-free convenience

**Data Jack** – lets you connect an additional phone or answering machine to the B150D on the same line

**Hearing Aid Compatible** – lets you use the B150D with hearing aids that have a T (telephone) switch

## 2) IMPORTANT CALLER ID INFORMATION

To use the phone's Caller ID and call waiting features, you must be in an area where the services are available, and you must subscribe to the services. Where Caller ID is offered, one or more of the following options are generally available:

- a) Caller's number only
- b) Caller's name only
- c) Caller's name and number

## 3) IMPORTANT NOTICE BEFORE INSTALLATION

Each device that you connect to the phone line draws power from the phone line. This power draw is referred to as the device's *ringer equivalence number*, or **REN**. The **REN** for the B150D is located on the bottom of the telephone.

If you are using more than one phone or other devices on the same line, add up the value of all the **RENs**. If the total is greater than five (three in rural areas), your phone might not ring. If the ringer operation is impaired, the problem can often be rectified by removing a device from the line to reduce the total **REN** to the number allowed.

### FCC STATEMENT

Your B150D complies with Part 68 of FCC Rules. You must, upon request, provide the FCC Registration Number and the **REN** to your telephone company or other service provider. Both of these numbers are located on the bottom of the B150D. You must not connect your B150D to either coin-operated systems or party line systems.

The B150D also complies with the limits for a Class B device as specified in Part 15 of the FCC Rules. These limits provide reasonable protection against radio and TV interference in a residential area. However, your telephone might cause TV or radio interference, even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- a) Reorient or relocate the TV or radio's reception antenna
- b) Increase the distance between the telephone and the radio or TV.

Consult your local dealer or service center if the problem persists.

## 4) INSTALLATION

When installing your B150D, please select a location that is located near an unswitched AC outlet, near a modular phone line jack, and out of the way of activities that may interfere with the telephone's operation.

**NOTE:** The USOC number of the jack to be installed is RJ11C (RJ11W for a wall plate jack.)

**CAUTION:** You must use a Class 2 power source that supplies 12 volts AC, and delivers at least 500 mA. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the LCD display or the adapter.

### 4.1 DESKTOP INSTALLATION

- 1) Plug one end of the handset coiled cord into the handset modular jack, located on the left side of the phone base. Plug the other end into the handset jack. (Refer to figure 2 below.)
- 2) Install wall mount bracket into four slots at the bottom of the B150D.
- 3) Plug one end of the *thinner, four-conductor* line cord into the jack labeled **LINE** on the power adapter. Plug the other end into a standard RJ-11 telephone wall jack.
- 4) Plug one end of the *thicker, six-conductor* phone cord into the jack labeled **PHONE** on the power adapter. Plug the other end into the **LINE** jack at the bottom of the B150D. (Refer to figure 3 below.)
- 5) Plug the adapter into a standard AC wall outlet.

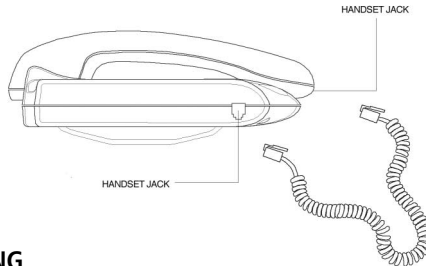


FIGURE 2

### 4.2 WALL MOUNTING

- 1) Place the flat end of the wall mount bracket upward. Install the wall mount bracket into the four slots on the bottom of the B150D.
- 2) Follow steps #3 and #4 in section 4.1 *Desktop Installation* above for installation of line and phone cords. Route the adapter cord through the wall mount line cord slot.
- 3) Align the phone's keyhole slots with the wall plate studs and slide the phone downward to secure it.
- 4) Plug the adapter into a standard AC outlet.

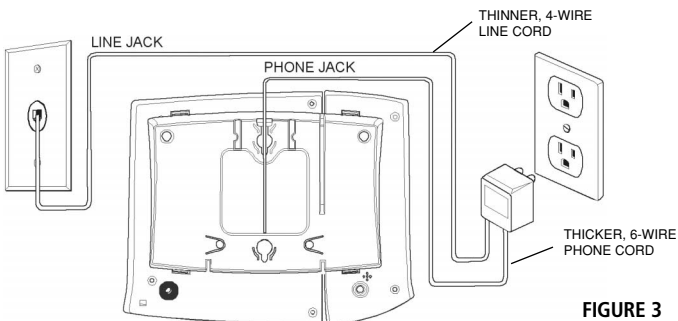


FIGURE 3

## 5) USING THE DATA PORT

The data port is located on the right hand side of the telephone (as it is facing you.) Use this jack to connect a laptop or desktop computer, fax machine or answering machine in parallel on the same phone line to which the telephone is connected. Plug one end of the modular cord into the **DATA** jack of the B150D, and then plug the other end into the jack of another phone or answering machine.

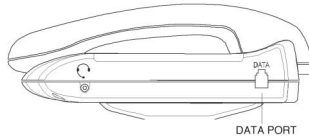


FIGURE 4

## 6) SETTING THE RING CADENCES

Follow these steps to select one of four different ringer cadences (telephone must be on-hook):

- 1) Press **PRGM**. The **PROGRAM MODE** prompt will appear.
- 2) Press **REVIEW** ↓. The **SET RING TONE** prompt will appear.
- 3) Press **REVIEW** ↑ or ↓ to sample the available ring tones.
- 4) Press **PRGM** key to select the desired ring tone. The current time display will return.

**Note:** There are four different ringer cadences from which to choose. The default is set to cadence #1.

## 7) ADJUSTING THE RINGER VOLUME

Your phone has three ringer volume levels: **OFF, LOW, AND HIGH**. Follow these steps to adjust the ringer volume (telephone must be on-hook):

- 1) Press **VOLUME** ↑ or **VOLUME** ↓ to adjust the ringer volume.
- 2) To turn off the ringer volume, repeatedly press **VOLUME** ↓ until the ringing stops and the ringer is off.
- 3) To adjust a line's ringer volume when that line rings, press **VOLUME** ↑ or **VOLUME** ↓.

**NOTE:** The ringer volume is preset to "Low."

## 8) SETTING THE DATE AND TIME

Follow these steps to set the date and time:

- 1) Press **PRGM**. The **PROGRAM MODE** prompt will appear.
- 2) Press **REVIEW** ↑ with the month cursor flashing. **SET DATE/TIME** prompt will appear.
- 3) Enter the desired date using a number key.
- 4) Enter the current time using a number key when the hour cursor flashes. \* = AM # = PM appears.
- 5) Press \* to select AM or # to select PM. The phone beeps and the set time display returns.

**NOTE:** If you make a mistake on the settings, wait 20 seconds. The backlight LED will turn off automatically to exit setup. Then start again at Step 1.

**NOTE:** Date and time are preset to January 1 & 12:00 AM

## 9) SETTING THE AREA CODE

Follow these steps to store your home area code:

- 1) Press **PRGM**. The **PROGRAM MODE** prompt will appear.
- 2) Press **DIAL. SET AREA CODE** and **000** will appear. The first **0** flashes.
- 3) Enter the desired area code.
- 4) When you set the area code's last digit, press the **PRGM** key. The B150D will beep once to confirm the setting. To reset the area code, simply repeat the above steps.

**NOTE:** If you make a mistake while setting the area code, repeat the above steps.

## 10) ADJUSTING THE DISPLAY CONTRAST

Repeatedly press **CONTRAST** to adjust the display contrast. The B150D will beep once when it reaches the darkest or the lightest contrast.

## 11) OPERATION

### 11.1 PLACING AND ANSWERING CALLS WITH THE HANDSET

To make a call with the handset, pick up the handset. The call timer will begin counting the elapsed time of your call. Dial the desired number; the number will appear in the display as you dial. To answer an incoming call, pick up the handset. To end a call, place the handset back on the base.

### 11.2 PLACING AND ANSWERING CALLS WITH THE SPEAKERPHONE

To make or answer a call using the speakerphone, press **SPEAKER/HEADSET**. The call timer will begin counting the elapsed time of your call. The **SPEAKER** indicator will light. Dial the desired number.

To end a speakerphone call, press the **SPEAKER/HEADSET** key. The **SPEAKER** indicator will turn off.

**NOTES:** The speakerphone does not operate without AC power. During a power failure, use the handset instead. If background noise interferes with the speakerphone's operation, you can press the **MUTE** key to turn off the base's microphone while the other party is speaking. You cannot use the speakerphone with a headset connected to the phone.

### 11.3 SWITCHING BETWEEN THE HANDSET AND THE SPEAKERPHONE

To switch from handset to the speakerphone during a call, press **SPEAKER/HEADSET**, then place the handset on the base.

To switch from the speakerphone to the handset, lift the handset and resume your conversation. The speakerphone will automatically turn off.

### 11.4 ADJUSTING THE HANDSET VOLUME

When you pick up the handset to make or receive a call, the handset volume is preset to the normal volume. To increase or decrease the handset volume, press **VOLUME ↑** or **VOLUME ↓**.

### 11.5 ADJUSTING THE SPEAKERPHONE VOLUME

There are seven (7) volume levels for the speakerphone mode. To increase or decrease the speakerphone volume, press **VOLUME ↑** or **VOLUME ↓**. The speakerphone volume level is preset to level 2.

### 11.6 USING REDIAL

The redial function allows you to retrieve any of the last five numbers you dialed. Press **REDIAL**; the display will show the last number dialed. Press **REVIEW ↑** key to scroll to the 4th number stored, or continue to press **REVIEW ↑** key to scroll to the



3rd, 2nd, or 1st number stored. Once you have scrolled to the right number, you may dial the number by either pressing the **SPEAKER/HEADSET** key or picking up the handset. Either action will initiate a call to the number in the display.

**NOTES:** The redial memory only stores the last 32 digits of any number dialed.

The redial memory does not store a **LINK** entry, but stores any digits you press after **FLASH/LINK** (see "Using **FLASH/LINK**".)

## 11.7 USING FLASH/LINK

**FLASH/LINK** performs the electronic equivalent of a hookswitch operation for special services, such as call waiting. For example, if you have call waiting, press **FLASH/LINK** to answer an incoming call without disconnecting the current call. Press **FLASH/LINK** again to return to the first call.

**CAUTION:** If you do not have any special phone services, such as call waiting, etc., pressing the **FLASH/LINK** key may disconnect the current call.

## 11.8 USING HOLD

To place a call on hold, press the **HOLD** key. The **HOLD** indicator will flash, then the text message **CALL ON HOLD** will appear on the LCD. You can now hang up the handset without disconnecting the call.

To resume the call, lift the handset (if the handset has been placed on the base) or pick up any extension phone on the same line. If you put a call on hold while using the speakerphone, press the **SPEAKER/HEADSET** key to resume the call.

**NOTE:** The B150D cannot receive an incoming call while a call is on hold.

## 11.9 USING MUTE

To temporarily switch off the microphone of either the speakerphone or handset, press the **MUTE** key. The **MUTE** indicator lights and the microphone will turn off, but you can still hear the person on the other end of the phone. Press **MUTE** again to resume your conversation.

## 11.10 MEMORY DIALING

You can store up to ten (10) phone numbers and names in the direct memory locations, then quickly and conveniently call a number you have stored. These memory buttons may also be used to store number strings used to access PBX or Centrex services or features.

## 11.11 STORING A NUMBER IN MEMORY

Follow these steps to store numbers in the memory locations. Each memory location can store up to sixteen (16) digits.

- 1) Press **PRGM**. The **PROGRAM MODE** prompt will appear.
- 2) Select the memory location where you want to store the number. **ENTER NUMBER** will appear in the display.
- 3) Enter the phone number or number string you wish to store. If you enter a digit by mistake, press **DELETE** to delete the last number entered. Pressing **DELETE** once will delete the last digit, pressing twice will delete the prior digit, etc.
- 4) When you are done entering the desired number, press the **PRGM** key.
- 5) The display will now read **ENTER NAME**. Press the letters on the keypad corresponding to **A** through **Z**. (Please refer to Figure 5, "Keypad Legend" on page 8.) To enter a space between letters, press the "1" key. If you enter a letter by mistake, press the **DELETE** key. Pressing once will delete the last letter, pressing twice, will delete the letter previous to it, etc.
- 6) Once the correct letters are entered, press the **PRGM** key. You will hear

a long beep, and the display will show **NUMBER STORED** to confirm your entry. The current time display will return.

**NOTES:** You will hear a dial tone during most steps of this procedure. The phone does not actually dial the number as you store it, but you may also hear a busy tone or a recorded operator's voice after a few seconds.

To keep your private numbers secure, it is not recommended that you store your personal access codes for services (such as bank-by-phone, etc.) in a memory location.

To change a number in memory, store a new one in its place.

FIGURE 5: KEYPAD LEGEND – A GUIDE TO ENTERING TEXT

		NUMBER OF TIMES TO PRESS EACH KEY							
		1	2	3	4	5	6	7	8
PRESS THIS KEY ON THE KEYPAD	1		_	'	&	.	(	)	1
	2	A	B	C	2				
	3	D	E	F	3				
	4	G	H	I	4				
	5	J	K	L	5				
	6	M	N	O	6				
	7	P	Q	R	S	7			
	8	T	U	V	8				
	9	W	X	Y	Z	9			
	*	*							
	0	0							
	#	#							

Press the proper key on keypad the specified number of times to generate a character denoted in the shaded portion of the chart. (Examples: To generate the letter 'Q', press the '7' key twice. To generate the letter 'C', press the "2" key three times, etc.)

## 11.12 ENTERING A PAUSE IN A MEMORY NUMBER

Some telephone systems require that you dial an access code (9, for example) and wait for a second dial tone before you can dial an outside number. You can store this access code with the desired number; however it may be necessary to store a pause after the access code to allow time for the outside line to connect. To enter a pause, press the **MUTE** key while storing a number into memory. This enters a one (1) second pause into the number string being stored. For a longer pause, press **MUTE** again to store additional pauses in one second increments. Each pause stored uses one digit of memory.

## 11.13 STORING NUMBERS FROM CALLER ID RECORDS

You can easily store a number from a Caller ID record. Repeatedly press **REVIEW** ↑ or **REVIEW** ↓ to select the desired phone number. Press the **PRGM** key. **PROGRAM MODE** will appear. Then press the memory button where you would like the number to be stored. You will hear a long beep to confirm, and the display will read **NUMBER STORED**.

### 11.14 DIALING A MEMORY NUMBER

To dial a number stored in memory, press the appropriate memory button, then lift the handset or press **SPEAKER/HEADSET**.

### 11.15 CHAIN DIALING

For quick recall of numbers, store each group of numbers in its own memory location. When calling special services, dial the service's main number first. At the prompt, press the memory button where your chain of numbers are stored, and the number string will be sent.

## 12) PHONE BOOK

Your B150D allows you to store up to ninety-nine (99) entries in alphabetical order, so that you can dial a number directly from the directory. The directory organizes the names by the first character stored. If you want the directory to store information by the last name, enter the last name first when entering names.

**NOTE:** If you do not enter a name, the number will still be stored. Entries that have only a number appear at the beginning of the directory.

## 13) STORING NUMBERS IN THE PHONE BOOK

### 13.1 WITH NO NUMBER DISPLAYED

- 1) Press the **PRGM** key. The display will show **PROGRAM MODE**.
- 2) Press the **PHONE BOOK** key. The display will show **ENTER NUMBER**.
- 3) Enter the number to be stored by pressing the keys on the keypad.
- 4) When you have entered the entire number, press **PRGM**.
- 5) The display will then show **ENTER NAME**.
- 6) Press the letters on the keypad A through Z for name entry.  
(Please refer to Figure 5, "Keypad Legend" for assistance)
- 7) To enter a space between the first and last name, press the "1" key.
- 8) If you enter a digit by mistake, press **DELETE** to delete the last number or letter entered. Pressing **DELETE** once will delete the last character, pressing twice will delete the prior character, etc.
- 9) Once the letters are entered, press the **PRGM** key again. You will hear a long beep and the display will show **NUMBER STORED**. The current time display will return.

### 13.2 WITH A NUMBER ALREADY ON THE DISPLAY

Your Caller ID data stored in memory may also be entered into your phone book directory by the following sequence:

- 1) Make sure the Caller ID data you wish to enter into the phone book directory is displayed on the LCD screen.
- 2) Press the **PRGM** key for a few seconds.
- 3) Display will show **PROGRAM MODE**.
- 4) Press the **PHONE BOOK** key.
- 5) You will hear a long beep confirming the entry and the display will read **NUMBER STORED**.

## 14) RETRIEVING A STORED NUMBER (ON-HOOK MODE)

- 1) Press the **PHONE BOOK** key.
- 2) Display will show the first name and number stored, and the memory location.
- 3) Press the **REVIEW** ↓ key to scroll to the number you wish to retrieve.
- 4) If you scroll past the number you are looking for, press the **REVIEW** ↑

- key to scroll upwards. You may place a call to the number on the display by either picking the handset or pressing the **SPEAKER/HEADSET** key.
- 5) Alternately, you may “jump” to a section of your phone book, without having to scroll through the entire list, by entering the letter of the section you wish to search. For example, you can jump directly to the “C” section of your phone book (all names beginning with the letter “C”) by entering the letter **C** on the key pad (press the number **2** three times in succession.)
  - 6) To exit the directory at any time, press the **PHONE BOOK** key.
  - 7) If a name and/or number has already been entered into the directory, the B150D will prompt you that this listing already exists. The display will read **DUPLICATE**, erase one of the duplicates and return to time display.

## 15) DELETING A NAME AND NUMBER IN THE DIRECTORY

- 1) Press the **PHONE BOOK** key. The display will show the first name and number entered in the directory.
- 2) Using the **REVIEW** keys, scroll to the name and number you wish to delete, and press the **DELETE** key.
- 3) The display will show the prompt **DELETE?**. Press the **DELETE** key once, and this name and number will be erased from your phone book.

## 16) CONNECTING AN OPTIONAL HEADSET

Your B150D is equipped with a headset jack that allows you to connect an optional headset, for convenient hands-free conversations. The jack accepts standard 2.5mm headset plugs.

To use your headset:

- 1) Insert the headset’s plug into the headset jack, located on the right side of the base (**Refer to figure 6 below.**)
- 2) Place the headset on your head, with the earpiece over either ear and adjust the microphone boom until it is about even with your chin.
- 3) Press the **SPEAKER/HEADSET** key to make or receive calls.
- 4) When you finish a conversation, press **SPEAKER/HEADSET** to hang up.

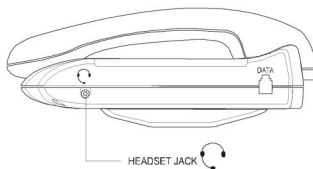


FIGURE 6

## 17) ADJUSTING HEADSET VOLUME

When you pick up the headset to make or receive a call, the headset volume is preset to a normal level. To increase or decrease the headset volume level, press the **VOLUME ↑** or **VOLUME ↓** keys.

## 18) CALLER ID, CALL WAITING

### 18.1 CALLER ID

Caller ID is a service provided by your telephone company or service provider. When you subscribe to this service, the telephone company sends the incoming caller's telephone number (and name, if available), and the call's date and time, between the first and second rings. The CID display receives and displays this information for each call, and updates the display with the current date and time. The display also shows if the caller information is not available, or if the sender blocks that information. Your B150D will save up to ninety-nine (99) call records, after which it replaces the oldest call record with each new one.

### 18.2 CALL WAITING

If you are using the telephone when a new call comes in, and you subscribe to call waiting service from your telephone company, the display indicates that a new call is being received. To answer the incoming call, press the **FLASH/LINK** key. To resume the previous conversation, press the **FLASH/LINK** key again.

## 19) LED STATUS

The red LED on the top right-hand side of the B150D provides multiple indications:

**LED BLINKS SLOWLY:** You have a voice message waiting

**LED REMAINS CONSTANTLY LIT:** You have a new call in your Caller ID memory

**LED FLASHES QUICKLY:** You have a new incoming call

## 20) REVIEWING CALLER ID RECORDS

Each time you receive a call, your B150D stores a Caller ID record that you can review later. A Caller ID record includes:

- Call number (in the order the calls are received)
- The time and date of the call
- Caller's telephone number (if available)
- Caller's name (if available)

To review all the Caller ID records, repeatedly press **REVIEW** ↑ or **REVIEW** ↓. The display will indicate **END OF LIST** when you reach the first or the last record in the list.

**NOTES:** The display shows up to eleven (11) digits of a phone number. If an incoming phone number is longer, the display shows only the last 11 digits.

The B150D returns to the time and date display after about twenty (20) seconds, if you do not press a key during that time.

## 21) CALLER ID MESSAGES

DISPLAY READS	DESCRIPTION
# TOTAL # NEW	Appears as new calls are received. (#) indicates the number of total calls and new calls.
CALL WAITING	Another caller is trying to reach you. The indicator lights.
PRIVATE CALLER	The caller is blocking the name and/or telephone number from being sent.
PRIVATE NAME	Appears when the caller has blocked just the name from being sent.
PRIVATE CALL	Appears when the caller has blocked just the number from being sent.
END OF LIST	You have reached the end of your call records. Press either REVIEW key to see them again.
UNKNOWN CALLER	The caller is not within a Caller ID service area. No caller name and number appear.
UNKNOWN NAME	The caller is not within a Caller ID service area. Only the number appears, but the name is unknown.
UNKNOWN CALL	Appears when the caller is not within a Caller ID service area. The number is unknown.
NO CALLS	No new call records are in the Caller ID's memory.
MSG WAITING	You have a message waiting.
PICK UP PHONE	Appears after the B150D dials a number when you press DIAL. (see "Using DIAL").
SET AREA CODE	Prompts you to set the area code (see "Setting the Area Code")

## 22) USING THE DIAL KEY

You can quickly dial a Caller ID number by simply pressing the **DIAL** key.

**NOTE:** You must store your home area code in order to use this feature. If you are calling a number that originated in your home area code, the Caller ID record will show only the seven digit number (without an area code.)

Follow these steps to dial a number from a Caller ID record:

- 1) Repeatedly press **REVIEW** ↑ or **REVIEW** ↓ to select the desired Caller ID record. If the displayed phone number matches your phone system's dialing pattern, press **DIAL** twice to dial the number. If the phone number does not match your phone system's dialing pattern, follow steps 2 through 4 below.
- 2) Press **DIAL**. The messages **DIALING MENU** and **USE REVIEW KEY** alternately flash on the display.
- 3) Repeatedly press **REVIEW** ↑ or **REVIEW** ↓ to select the desired dialing patterns.
- 4) Press **DIAL**. The phone number appears in the display. After the B150D dials the number, the message **PICKUP PHONE** appears in the display.

**NOTES:** If the phone number's area code matches the area code you have stored, the Caller ID provides you with four dialing pattern choices: an 8-digit number (1 plus the phone

number); a 10-digit number (area code plus the phone number); an 11-digit number (1 plus the area code plus the phone number); a 7-digit number.

If the phone number's area code does not match the area code you stored, you can select whether or not to dial a '1' before the phone number.

If you have not yet stored an area code, the display reads: SET AREA CODE 000, and the first '0' flashes.

## 23) DELETING CALLER ID RECORDS

The B150D allows you to delete individual Caller ID records, or all Caller ID records that have been reviewed. It will not allow the deletion of Caller ID records that have not been reviewed. You cannot delete Caller ID records during a call.

To delete a single Caller ID record:

- 1) Repeatedly press **REVIEW** ↑ or **REVIEW** ↓ to select a record, then press **DELETE**. The display will show the prompt **DELETE?**.
- 2) Press the **DELETE** key once again. The name and number will be deleted from the phone book log. If there are no other records, **NO CALLS** will appear on display.

To delete all Caller ID records:

- 1) Wait until the B150D shows the clock display, then hold down the **DELETE** key for approximately four seconds. **ERASE ALL** flashes twice in the display, then the phone beeps once to confirm that all records were deleted.

## 24) PRIORITY (VIP) CALL

This feature alerts you when an important (VIP) call is being received, from up to twenty (20) numbers of your choosing. When you receive a call from a number matching one stored in the VIP call record, the B150D sounds two quick beeps each time the phone rings, until you answer the call.

**NOTE:** VIP call records are protected so you cannot delete them by mistake. To delete a VIP call record, you must first "unmark" it, using the steps in "Unmarking a VIP Call Record," then delete the record using the steps in outlined in the section "Deleting a single Caller ID record".

### 24.1 MARKING A VIP CALL RECORD

- 1) Press the **PHONE BOOK** key.
- 2) Repeatedly press either **REVIEW** key, until you see the call record you wish to mark as a VIP call.
- 3) Press the **STAR (\*)** key on the keypad until **PRIORITY CALL** appears in the display. The B150D beeps once and marks the call record as a VIP record.

**NOTES:** As you press either **REVIEW** key to review stored records, **PRIORITY CALL** appears on each record that you marked as a VIP call record.

If the VIP memory is full, the B150D will beep three (3) times when you hold down the **STAR (\*)** key. To store another VIP call record, you must first delete an existing one.

## 24.2 UNMARKING A VIP CALL RECORD

- 1) Press the **PHONE BOOK** key, then repeatedly press either **REVIEW** key until you see the VIP call record you want to unmark.
- 2) Press and hold the **STAR (\*)** key until **PRIORITY CALL** disappears from the display. The B150D beeps once to confirm your unmarking this record.

## 25) MESSAGE WAITING

If you subscribe to your telephone company's message waiting service, the B150D tells you when you have a message waiting. The message waiting indicator icon will appear in the display, and remains until you retrieve the message. Depending on the type of message waiting service provided, the red message waiting light on the upper right corner of the top of the B150D will also blink. The indicator(s) will remain on until you retrieve the message(s).

**NOTE:** Refer to instructions provided by your service provider on how to retrieve messages.

There are three types of message waiting:

- 1) **STUTTER DIAL TONE** – if you subscribe to the telephone company's message waiting service.
- 2) **FSK** – if you subscribe to the telephone company's CID message waiting service.
- 3) **MULTI-X** – if you are behind a PBX system with message waiting service.

For **STUTTER DIAL TONE** and **FSK** message waiting, set the message waiting switch at the bottom of the phone to **FSK**. For **MULTI-X** message waiting, set the message waiting switch to **VMWI**.

## 26) TROUBLESHOOTING

Should you experience difficulty with the operation of your B150D, check for the following:

<b>NO DIAL TONE</b>	Phone line and/or handset cord may not be connected securely.
<b>BLANK DISPLAY</b>	AC adapter may not be plugged in entirely, or line cords incorrectly installed.
<b>VOLUME DROPS WHILE ON A CALL</b>	Someone may have picked up an extension on the same line.
<b>NOISE ON THE LINE</b>	Phone line and/or handset cord may not be connected securely.

If you still experience problems, disconnect the phone. If other phones on the same line work properly, the fault may be with this particular phone, or have something to do with its installation. If you cannot determine the problem, take your telephone to your local dealer for assistance.

## 27) CARE AND MAINTENANCE

These suggestions will help you care for your phone so you can enjoy trouble-free service for many years:

- Keep the telephone dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuitry.



- Use and store the B150D only in normal temperature environments. Extreme temperatures can shorten the life of electronic components, and distort or melt plastic parts.
- Keep the telephone away from dust and dirt, which can cause premature wearing of parts.
- Handle the B150D gently and carefully. Dropping it can damage internal circuit boards and components, causing the phone to work improperly.
- Wipe the B150D with a damp cloth occasionally to remove dust and dirt. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the telephone.
- Modifying or tampering with internal components can cause a malfunction and might invalidate the warranty, as well as void your FCC authorization to operate the telephone. If your B150D is not performing as it should, see your dealer for assistance. If the trouble is affecting the telephone lines, the telephone company or service provider may ask you to disconnect your telephone until the problem is resolved.

## 28) WHAT THE FCC WANTS YOU TO KNOW

In the unlikely event that your B150D causes problems on the phone line, the telephone company can temporarily discontinue your service. If this happens, the telephone company attempts to notify you in advance. If advance notice is not practical, the telephone company notifies you as soon as possible and advises you of your right to file a complaint with the FCC.

Also, the telephone company can make changes to its lines, equipment, operations, or procedures that could affect the operation of this telephone. The telephone company notifies you of these changes in advance, so you can take the necessary steps to prevent interruption of your phone service.

## 29) LIGHTNING

Your B150D has built-in protection circuits to reduce the risk of damage from surges in telephone line and power line current. These protection circuits meet or exceed FCC requirements. However, lightning striking the telephone or power lines can damage your phone. Lightning damage is not common. Nevertheless, if you live in an area that has severe electrical storms, we suggest that you unplug your phone during storms to reduce the possibility of damage.

## 30) REQUIREMENTS OF PART 68- FCC RULES

This device has been granted a registration number by the Federal Communications Commission, under Part 68 rules and regulations for direct connection to the telephone lines. In order to comply with these FCC rules, the following instructions must be carefully read and applicable portions followed completely:

- 1) Direct connection to the telephone lines may be made only through the standard modular cord furnished, to the utility installed jack. No connection may be made to party or coin phone lines. On the bottom of the phone is a label that contains among other information, the FCC Registration Number and the Ringer Equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company. The USOC jack for this equipment is RJ11C.
- 2) The telephone company may, under certain circumstances, temporarily discontinue and make changes in facilities and services which may affect the operation of the users' equipment; however, the user shall be given adequate notice in writing to allow the user to maintain uninterrupted service.

- 3) In certain circumstances, it may be necessary for the telephone company to request information from you concerning the equipment which you have connected to your telephone line. Upon request of the telephone company, provide the FCC registration number and the ringer equivalence number of the equipment which is connected to your line. This information will be found on the bottom of your telephone.
- 4) If any of your telephone equipment is not operating properly, you should immediately remove it from the telephone line. It may cause harm to the telephone network.
- 5) If the telephone company notes a problem, they may temporarily discontinue service. When practical, they will notify you in advance of disconnection. If advance notice is not feasible, the telephone company must: Promptly notify you of such temporary discontinuance; Afford the opportunity to correct the condition; Inform you of your rights to bring a complaint to the FCC under their rules.
- 6) Repairs to the device may be made only by the manufacturer or an authorized service agency. This applies at any time during and after warranty. If unauthorized repair is performed, registration, connection to the telephone lines and remainder of warranty period all become null and void.
- 7) This equipment is hearing aid compatible.
- 8) This telephone must be connected behind a PBX.

## **31) REQUIREMENTS OF PART 15- FCC RULES**

**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 instruction, may cause harmful interference to radio communications. However, there is not a guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: 1) Move the telephone away from the receiver. 2) 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 telephone.

## **32) INDUSTRY OF CANADA REQUIREMENTS**

**NOTICE:** The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements documents. The department does not guarantee the equipment will operate to the user satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection.

The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations. Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines, and internal metallic water pipe systems, if present, are connected together. This precaution may be particularly important in rural areas.

**CAUTION:** Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority or electrician, as appropriate. The Ringer Equivalence Number (REN) of this device is z.

**NOTICE:** The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5. This telephone connects to the telephone network under the connecting arrangement code CA11A.

### 33) IMPORTANT SAFETY INSTRUCTIONS

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 THE PRODUCT FROM THE WALL OUTLET BEFORE CLEANING. DO NOT USE LIQUID CLEANER OR AEROSOL CLEANERS. USE A DAMP CLOTH FOR CLEANING.
4. DO NOT USE THIS PRODUCT NEAR WATER, FOR EXAMPLE: NEAR A BATHTUB, 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 DAMAGE TO THE PRODUCT.
6. SLOTS AND OPENINGS IN THE CABINET AND THE BACK OF BOTTOM ARE PROVIDED FOR VENTILATION. THESE OPENINGS MUST NOT BE BLOCKED OR COVERED. THE OPENINGS SHOULD NEVER BE BLOCKED BY PLACING THE PRODUCT ON A BED, SOFA, RUG OR ANY OTHER SIMILAR SURFACE. THIS PRODUCT SHOULD NEVER BE PLACED NEAR OR OVER A RADIATOR OR HEAT REGISTER. THIS PRODUCT SHOULD NOT BE PLACED IN A BUILT-IN INSTALLATION UNLESS PROPER VENTILATION IS PROVIDED.
7. NEVER PUSH OBJECTS OF ANY KIND INTO THIS PRODUCT THROUGH CABINET SLOTS AS THEY MAY TOUCH DANGEROUS VOLTAGE POINTS OR CAUSE A SHORT CIRCUIT THAT COULD RESULT IN A FIRE OR ELECTRIC SHOCK. NEVER SPILL LIQUID OF ANY KIND ON THE PRODUCT.
8. TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT DISASSEMBLE THIS PRODUCT. IF SERVICE IS NECESSARY, SEND OR TAKE THE TELEPHONE TO A QUALIFIED SERVICE FACILITY. OPENING OR REMOVING COVERS MAY EXPOSE YOU TO DANGEROUS VOLTAGES OR OTHER RISKS. INCORRECT REASSEMBLY CAN CAUSE ELECTRIC SHOCK WHEN THE APPLIANCE IS SUBSEQUENTLY USED.
9. UNPLUG THIS PRODUCT FROM THE WALL OUTLET AND REFER SERVICING TO QUALIFIED SERVICE PERSONNEL UNDER THE FOLLOWING CONDITIONS:
  - IF THE POWER SUPPLY CORD OR PLUG IS DAMAGED OR FRAYED
  - IF LIQUID HAS BEEN SPILLED INTO THE PRODUCT
  - IF THE PRODUCT HAS BEEN EXPOSED TO RAIN OR WATER
  - IF THE PRODUCT DOES NOT OPERATE NORMALLY BY FOLLOWING THE OPERATING INSTRUCTIONS. ADJUST ONLY THOSE CONTROLS THAT ARE COVERED BY THE OPERATING INSTRUCTIONS, AS 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.
  - IF THE PRODUCT HAS BEEN DROPPED OR THE CABINET HAS BEEN DAMAGED.
  - IF THE PRODUCT EXHIBITS A DISTINCT CHANGE IN PERFORMANCE.
10. AVOID USING THE TELEPHONE DURING AN ELECTRICAL STORM. THERE MAY BE A REMOTE RISK OF ELECTRIC SHOCK FROM LIGHTNING.
11. DO NOT USE THE TELEPHONE TO REPORT A GAS LEAK IN THE VICINITY OF THE LEAK.



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