

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, 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 or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water (for example, near a bath tub, kitchen sink or swimming pool).
5. Do not place this product on an unstable surface, such as a table, shelf, or stand. The product may fall, causing serious damage.
6. Slots and openings in the back or bottom of the Base Unit and Handset are provided for ventilation. To protect them from overheating, these openings must not be blocked by placing the product on a soft surface such as a bed, sofa or rug. This product should never be placed near or over a radiator or heat register. This product should not be placed in any area where proper ventilation is not provided.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply in your home, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not install this product where the cord may have anyone walking on it.
9. Never push objects of any kind into this product through slots in the Base or Handset 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, but take it to an authorized service facility. Opening or removing parts of the Base or Handset other than specified access doors may expose you to dangerous voltages or other risks. Incorrect reassembling can cause electric shock when the product is subsequently used.
11. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
12. Unplug this product from the wall outlet and refer servicing to an authorized service facility 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, as improper adjustment of other controls may result in damage and often requires extensive work by an authorized technician to restore the product to normal operation.
 - E. If the product has been dropped and the Base and/or Handset has been damaged.

Important Safety Instructions

- F. If the product exhibits a distinct change in performance.
13. Avoid using a telephone (other than cordless) during an electrical storm. There is a remote risk of electric shock from lightning.
 14. Do not use the telephone to report a gas leak in the vicinity of the leak.
 15. Only put the Handset of your telephone next to your ear when it is in normal talk mode.

WARNING: To insure your safety from possible electric shock, **only** use the enclosed VTech Audio Patch Cable to record custom ring tones. Do **NOT** leave the Audio Patch Cable attached to the Handset while charging in its cradle.

Before You Begin

Enhanced 2.4GHz Technology - Dual Band transmission combines the best of 2.4GHz and 900MHz technologies, providing enhanced performance over standard cordless telephones.

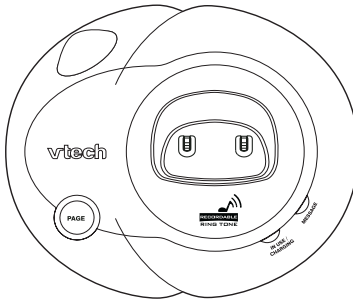
Parts Check List

1. Handset
2. Base Unit
3. Color Handset and Base Plates
4. AC Power Adapter
5. Belt Clip
6. Battery
7. Telephone Line Cord
8. User's Manual
9. Audio Patch Cord
10. Headset

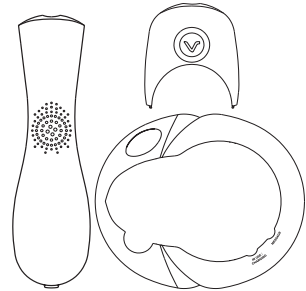
To purchase replacement batteries, call VTech Communications Inc. at 1-800-595-9511. In Canada, call VTech Telecommunications Canada Ltd. at 1-800-267-7377.



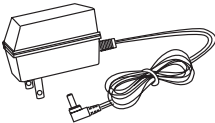
Handset



Base Unit



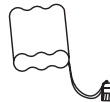
Color Handset and Base Plates



AC Power Adapter



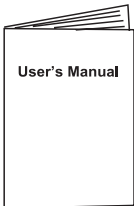
Belt Clip



Battery



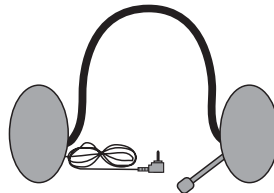
Telephone Line Cord



User's Manual

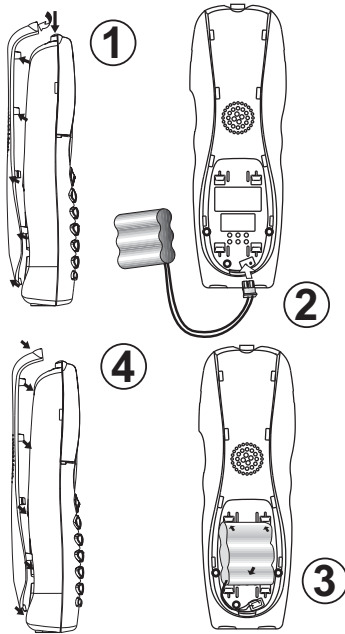


Audio Patch Cord



Headset

Setup



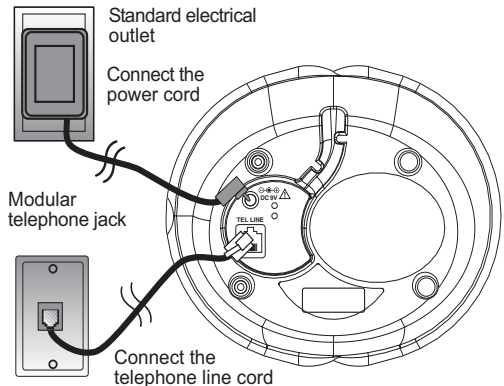
Installation of Battery in Handset

1. Remove the battery compartment cover by pressing the button on top of the Handset and pulling the cover off.
2. Align the two holes in the plug with the socket pins, then snap the plug into place.
3. Place the battery in the compartment, with the wires in the lower left corner. Angle the top half of the battery in first, under the two claws. Then snap the lower portion of the battery into place.
4. Replace the cover by snapping it back into place.

Connecting Power to Base Unit

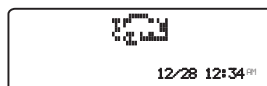
Choose a location for the Base near an electrical outlet and a telephone jack.

This phone requires a modular telephone jack and a standard electrical outlet (110V AC) not controlled by a wall switch. Plug the AC power adaptor into the electrical outlet and the DC connector to the jack on the bottom of the Base Unit.



Charge the Battery Pack

The Handset should be charged initially for 15 hours. Afterwards, a maintenance charge of 10 hours is sufficient. Maximum talk time on a full charged battery is approximately five hours. Maximum standby time is five days. Look for the charging bull animation on the Handset as it charges:



Setup

Check for Dial Tone

After the battery is charged, connect the modular telephone cord between a live phone jack and the jack located on the bottom of the Base Unit. Pick up the Handset and press **ON**. You should hear a dial tone.

Tone/Pulse Selection

Your **gz 2438** is preset for **tone** dialing. See **Telephone Operation** for details.

⚠ CAUTION: Use only the VTech power supply provided with your telephone.

IMPORTANT! FOR MAXIMUM PERFORMANCE OF YOUR CORDLESS TELEPHONE SYSTEM:

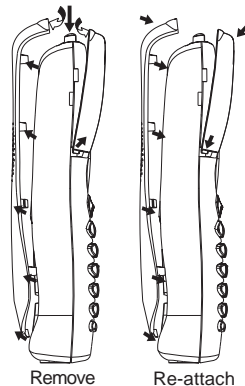
1. Choose a central location for your Base Unit.
2. Install your Base Unit and extension Handsets away from electronic equipment, such as personal computers, television sets and microwave ovens.
3. In locations where there are multiple cordless telephones, separate Base Units as much as possible.
4. Install your telephone equipment away from heat sources and sunlight.
5. Avoid excessive moisture, dust or extreme cold.

Removable Handset and Base Plates

Your **gz 2438** comes with additional Handset and Base plates of various colors. You can interchange these plates to suit your mood or room decor.

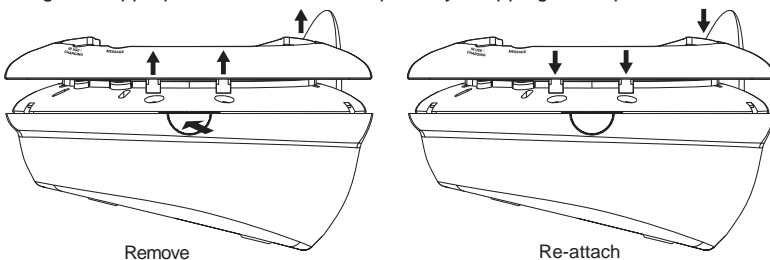
Handset Plate

Carefully remove the Handset face and/or back plate by pressing the button on the top of the Handset, then pulling the plate off. Attach the new face and/or back plate by snapping the lower portion into position, then the upper portion into position.



Base Plate

Carefully remove the Base plate by pressing the button on the right side of the Base Unit, then pulling the plate off. Align the new Base plate, making sure the antenna passes through the appropriate slot. Secure the plate by snapping it into position.



Handset Features

(CID)

- When phone is not in use, press to display Caller ID information.
- During a call, press to decrease listening volume. A double beep will sound when you reach the lowest setting.

ON/FLASH

- Press this button then dial the number to make a call.
- **-OR-** Dial the number (use ↵ to backspace and correct digits), then press this button to make a call.
- Press any key except **OFF** to answer a call.
- While on a call, when you receive a call waiting alert, press this button to take the new call, then press this button again to return to the first call.
- When phone is in use, this button will glow steadily. When a call is on hold, it will flash.

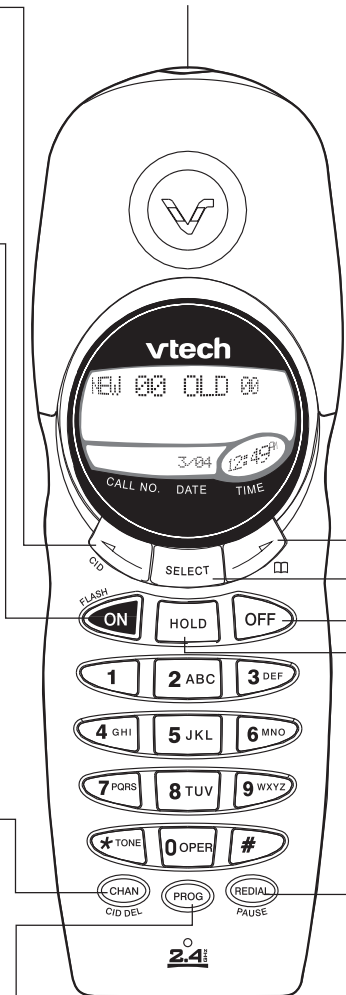
CHAN/CID DEL

- Switch to a clear channel while on a call.
- While Handset is not in use, press and hold to delete all records in the Call Log. When viewing the Call Log, press to delete the current record.

PROG

- Press to enter programming mode while the Handset is idle (**OFF**).

Flashes in unison with an incoming call's ringing.



(□)

- When phone is not in use, press to display directory entries.
- During a call, press to increase listening volume. A double beep will sound when you reach the highest setting.

SELECT

- Press to store a programming option, or to store a directory entry.

OFF

- During a call, press to hang up.
- While the Handset is ringing, press to silence the ringer.
- During programming, press to exit without making changes.

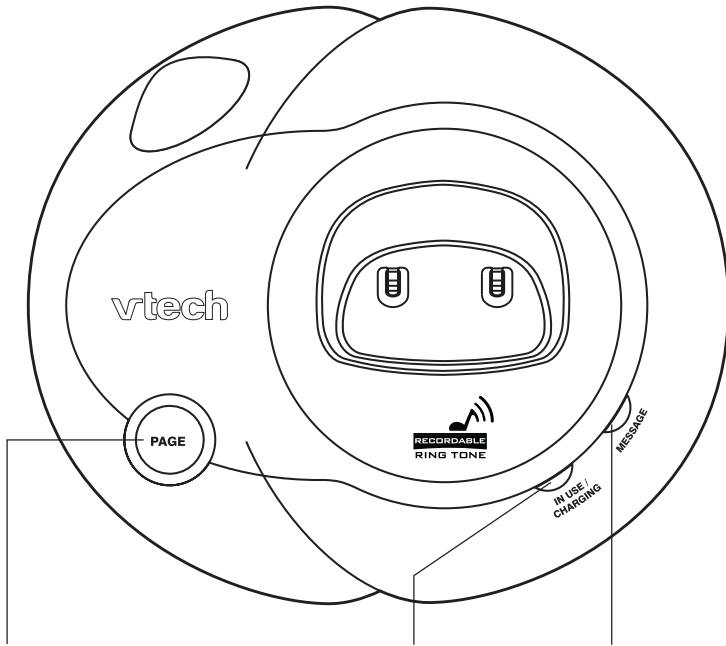
HOLD

- Press to put a call on hold, press again or press **ON** to release hold.

REDIAL/PAUSE

- Press **ON**, then press this button to call the last number dialed.
- **-OR-** Press this button, then press **ON** to call the last number dialed.
- While Handset is not in use, press this button twice to delete the last number dialed.
- While dialing or entering numbers into the directory, press to insert a four second dialing pause.

Base Features



PAGE

Press to page the Handset. Press again, press **OFF**, or place the Handset in its base to cancel the page.

MESSAGE Light

Indicator

- Flashes when the Handset is in use.
- Flashes in unison with an incoming call's ringing.
- Flashes rapidly when a call is on hold.
- On steady when the Handset is charging in the Base.

Flashes when a caller leaves a message in your voice mailbox, see **Message Waiting** on page 8 for details.
IN USE/CHARGING

Telephone Operation

Set Handset Ringer Style

You can select from four traditional ringers, five musical ringers, two personal ringers, or turn the ringer **OFF**.

1. Make sure the Handset is **OFF**.
2. Press **PROG**.
3. Press \swarrow until the screen displays **RINGER:** and the current setting.
4. Press **SELECT**. The current setting blinks, and you will hear a sample of the ring.
5. Press \swarrow or \searrow to select the desired option. You will hear a sample of each ring.
6. Press **SELECT** to choose the desired ringer. If you chose a musical ringer or one of your personal ring tones, the Handset will display, for example:

7. Press \swarrow or \searrow to adjust the volume level.
8. Press **SELECT** to confirm the volume setting. You'll hear a confirmation beep.

If you want to record personal ringers, please refer to page 18 for details.

Set Date and Time

If you subscribe to Caller ID service, the date and time will be set automatically with the first incoming call. If you do not have Caller ID service, you can set the date and time manually:

1. Make sure the Handset is **OFF**.
2. Press **PROG**.
3. Press \swarrow until the screen displays **DATE/TIME**.
4. Press **SELECT**. The current month blinks.
5. Use \swarrow or \searrow to adjust the month, then press **SELECT**. You'll hear a confirmation beep.
6. Repeat step 5 to adjust the **day, hour, minute** and **AM** or **PM**.

Set the Dial Mode (Preset to TONE)

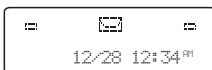
If you have touch tone service, the phone is ready to use as soon as the battery is charged. If you have pulse (rotary) service, you'll need to change the dial mode.

1. Make sure the Handset is **OFF**.
2. Press **PROG**.
3. Press \swarrow until the screen displays **DIAL MODE:**, and the currently selected mode.
4. Press **SELECT**. The current setting blinks.
5. Press \swarrow or \searrow . The screen displays **TONE** or **PULSE**.
6. Press **SELECT** to save the displayed mode.

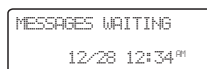
Message Waiting

Your **gz 2438** is designed to work with most local and regional telephone service provider Voice Messaging systems, providing alerts on both the Handset and Base Unit when new messages are received.

Voice Messaging is subscription service, available through most local and regional service providers, for a monthly fee. Contact your local telephone company for more information. When a caller leaves a message in your voice mailbox, the **MESSAGE** light on the Base Unit will flash. In addition, the Handset will display:



alternately

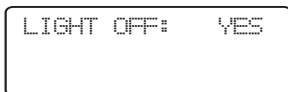


After calling your voicemail service and listening to all new messages, the indicators will be turned off within a few seconds after you complete your call.

Telephone Operation

You can retrieve your voicemail messages from any telephone. If the indicators remain on after all new messages have been reviewed, you can turn them off manually:

1. Make sure the Handset is **OFF**.
2. Press **PROG**.
3. Press \backslash or $/$ until the screen displays **MESSAGES WAITING**.
4. Press **SELECT**. The screen displays:

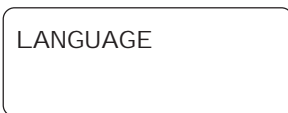


5. Use \backslash or $/$ to choose **YES** or **NO**. Press **SELECT** or **PROG** to confirm. If you choose **YES**, the **MESSAGES WAITING** animation on the Handset and the **MES-SAGE LED** on the Base will turn off.

Set Language

You can select English, Spanish or French.

1. Make sure the Handset is **OFF**.
2. Press **PROG**.
3. Press \backslash or $/$ until the screen displays **LANGUAGE**.



4. Press **SELECT**. The current setting blinks.
5. Press \backslash or $/$ to select among **ENGLISH**, **ESPAÑOL** or **FRENCH**. When desired language displayed, press **SELECT** or **PROG**. You will hear a confirmation beep.

Temporary Tone Dialing

If you have pulse (rotary) service, you can change from pulse to touch tone dialing during a call by pressing **TONE**. This is useful if you need to send touch tone signals for access to telephone banking or long distance services.

1. Dial the number.
2. Press **TONE**. Buttons pressed after this send touch tone signals.
3. After you hang up, the phone automatically returns to pulse service.

Operating Range

This cordless telephone operates within the maximum power allowed by the Federal Communications Commission (FCC). Even so, this Handset and Base can communicate over only a certain distance — which can vary with the locations of the Base and Handset, the weather, and the construction of your home or office.

If you receive a call while you are out of range, the Handset might not ring — or if it does ring, the call might not connect when you press **ON**. Move closer to the Base, then press **ON** to answer the call.

If you move out of range during a phone conversation, you might hear noise or interference. To improve reception, move closer to the Base.

Telephone Operation

If you move out of range without pressing **OFF**, your phone will be left off the hook. To hang up properly, walk back into range, periodically pressing **OFF**.

Display Screen Messages

Screen Displays:	When
** RINGING **	There is a call coming in.
CONNECTING. . .	The Handset is waiting for dial tone.
PHONE ON	The Handset is in use.
MESSAGES WAITING	You have received telephone company voicemail.
** PAGING **	The Base is paging the Handset.
HOLD	There is a call on hold.
BATTERY LOW	The battery needs to be recharged.
NO CONNECT	Displays and a sad tone sounds when the Base power is off and ON is pressed. Displays when Handset is out of range and an attempt to dial is failed.
SCANNING. . .	The Handset is changing to another of the 30 channels available.

Speed Dial

You can store as many as nine telephone numbers with names (up to 15 characters and 24 digits in each location) you dial frequently into the Speed Dial memory locations you assign in the Handset.

NOTES:

1. The entries you store in Speed Dial memory will be marked 01 through 09 in the telephone directory.
2. Press **OFF** at any time to exit speed dial mode.

Store a Number/Name in Speed Dial Memory

1. Press **PROG.**
2. Press \backslash or \swarrow until the screen displays **SPEED DIAL**.
3. Press **SELECT**. The screen displays **ENTER 1-9**.

NOTE: When memory is full the screen displays **MEMORY FULL**, an error tone sounds and you cannot store a new entry until you delete an entry in the speed dial memory or the telephone directory.

4. Press the key (1 through 9) for the memory location where you're storing this entry. The screen displays **ENTER NAME**.

NOTE: Take caution when assigning Speed Dial location numbers in memory. If the location already has an entry stored, the new entry will be stored over the old and it will be deleted. Be careful to not save over entries you do not wish to delete from memory.

5. Using the chart below, enter up to 15 characters for the name you're storing with the number. Use \backslash to backspace and make corrections; use \swarrow to advance and add a space.
6. When you finish entering the name, press **SELECT** or **PROG**. The screen displays **ENTER NUMBER**.

Dial Key:	Presses					
	1	2	3	4	5	6
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					
*	*					
#	&	'	,	-	.	#

7. Enter the telephone number. Use \backslash to backspace and make a correction. Press **RE-DIAL/PAUSE** to store a pause in the dialing sequence.

Speed Dial

-OR-

Press **REDIAL/PAUSE** to display the last number dialed.

- Press **SELECT** or **PROG**. The screen displays **DISTINCT RING?** and the current setting.
- Press \backslash or $/$ to change the setting. Choose **Y** (for yes) if you wish the phone to alert you to calls from this number by changing to a distinctive ringing pattern after the first ring. Choose **N** (for no) for a normal ringing pattern.
- Press **SELECT** or **PROG** to confirm your selection. If you chose **Y**, the screen displays:

NOTE: If you chose N, you can skip to Step 12.

- The ringer name will blink. Press \backslash or $/$ to choose the desired ring tone. Then press **SELECT** or **PROG** to confirm your selection. The screen displays:
- Press \backslash or $/$ to change the setting. Choose **Y** (for yes) if you wish the phone to show an animation when the incoming call matches this number. Choose **N** (for no animation). Your choices of animation are:

```
RINGER: Acoustic
8005959511
01
```

```
ANIMATION? N
8005959511
01
```

```
← → ← →
8005959511
01
```

alternately

```
( *# )
8005959511
01
```

```
Ⓜ Ⓜ
8005959511
01
```

alternately

```
Ⓜ Ⓜ Ⓜ Ⓜ
8005959511
01
```

- Press **SELECT** or **PROG** to confirm your selection. If you chose **Y**, the screen will display one of the two animations. Press \backslash or $/$ to change the setting, then press **SELECT** or **PROG** to confirm your desired option. You'll hear a confirmation beep. When you select **Y** in step 9, a Ⓜ will be displayed with the directory entry.

Edit a Number/Name Stored in Speed Dial Memory

- Press and hold the memory location key (1 through 9) of the entry you wish to edit.
- When the screen displays the number you want to edit, press **SELECT**. Then press \backslash or $/$ until **EDIT** flashes.
- Press **SELECT**. The screen displays the name and number. The flashing cursor appears at the end of the name. Use \backslash or $/$ and the dial pad keys to edit the name. Press **SELECT** to move to edit the number. Press **SELECT** to move on and

```
SPEED EDIT ERASE
8005959511
01
```

Speed Dial

edit the Distinctive Ring and Animation setting. Follow steps 9 through 13 in **Store a Number/Name in Speed Dial Memory**.

Delete a Number/Name Stored in Speed Dial Memory

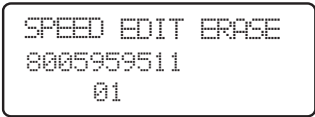
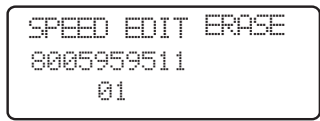
1. Press and hold the memory location key (1 through 9) of the entry you wish to delete.
2. When the screen displays the number you want to delete, press **SELECT**. Then press \backslash or $/$ until **ERASE** flashes.
3. Press **SELECT**. The screen displays **ERASE NO YES** and the number. The current choice flashes.
4. Press \backslash or $/$ until **YES** flashes.
5. Press **SELECT**. You will hear a confirmation beep.

Dial a Speed Dial Number

1. Press and hold the memory location key (1 through 9) of the entry you wish to dial.
2. Press **ON** to dial the displayed memory number.

Reassign Locations in Speed Dial Memory

1. Press and hold the memory location key (1 through 9) of the entry you wish to reassign.
2. When the screen displays the number you want to reassign, press **SELECT**. Then press \backslash or $/$ until **SPEED** flashes.
3. Press **SELECT**. The screen displays **ENTER 1-9**.
4. Press the keys (1 through 9) to reassign this entry into another memory location. You will hear a confirmation beep.



Telephone Directory

This cordless phone can store 50 telephone numbers with names (including nine Speed Dial entries), each up to 15 characters for the name and 24 digits for the number.

NOTE: Press **OFF** at any time to exit directory.

Store a Number/Name in the Directory

1. Press **PROG**. The screen displays **DIRECTORY**.
2. Press **SELECT**. The screen displays **ENTER NAME**.
3. Using the chart below, enter up to 15 characters for the name you're storing with the number. Use \backslash to backspace and make corrections, use \swarrow to advance and add a space.

Dial Key:	Presses					
	1	2	3	4	5	6
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					
*	*					
#	&	'	,	-	.	#

4. When you finish entering the name, press **SELECT** or **PROG**. The screen displays **ENTER NUMBER**.
5. Enter the telephone number. Use \backslash to backspace and make corrections. Press **REDIAL/PAUSE** to store a pause in the dialing sequence.
-OR-
Press **REDIAL/PAUSE** to display the last number dialed from this phone.
6. Press **SELECT** or **PROG**. The screen displays **DISTINCT RING?** and the current setting.
7. Press \backslash or \swarrow to change the setting. Choose **Y** (for yes) if you wish the phone to alert you to calls from this number by changing to a distinctive ringing pattern after the first ring. Choose **N** (for no) for a normal ringing pattern.

Telephone Directory

8. Press **SELECT** or **PROG** to confirm your selection. If you chose **Y**, the screen displays:

```
RINGER: Acoustic
8005959511
```

NOTE: If you chose **N**, skip to Step 10.

9. The ringer name will blink. Press \backslash or \swarrow to choose the desired ring tone. Then press **SELECT** or **PROG** to confirm. The screen displays:

```
ANIMATION? N
8005959511
```

10. Press \backslash or \swarrow to change the setting. Choose **Y** (for yes) if you wish the phone to show an animation when the incoming call matches this number. Choose **N** (for no animation). Your choices of animation are:



11. Press **SELECT** or **PROG** to confirm your selection. If you chose **Y**, the screen will display one of the two animations. Press \backslash or \swarrow to change the setting, then press **SELECT** or **PROG** to confirm. You'll hear a confirmation beep. When you select **Y** in step 7, a \square will be displayed with the directory entry.

NOTE: When memory is full the screen displays **MEMORY FULL**, an error tone sounds, and you will not be able to store a new number until you delete a stored number.

Edit a Number/Name Stored in the Directory

1. Press \swarrow (\square). The screen displays **DIRECTORY**.
2. Press \backslash or \swarrow to scroll alphabetically through the entries.

-OR-

Press the dial pad key for the first letter of the entry you want to edit.

3. When the screen displays the entry you want to edit, press **SELECT**. Then press \swarrow until **EDIT** flashes.


```
SPEED EDIT ERASE
8005959511
```

4. Press **SELECT**. The screen displays the name and number. The cursor appears at the end of the name. Use \backslash , \swarrow and the dial pad keys to edit the name. Press **SELECT** to move on to edit the number. Use \backslash to backspace and make corrections. Press **SELECT** to move on to edit the Distinctive Ring and Animation settings. Follow steps 7 through 11 in **Store a Number/Name in the Directory**.

Telephone Directory

Delete a Number/Name Stored in the Directory

1. Press \swarrow (\square). The screen displays **DIRECTORY**.
2. Press \searrow or \swarrow to scroll alphabetically through entries.
-OR-
Press the dial pad key for the first letter of the entry you want to delete.
3. When the screen displays the entry you want to delete, press **SELECT**. Then press \swarrow until **ERASE** flashes.



```
SPEED EDIT ERASE
000555511
```

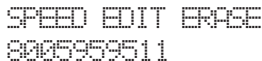
4. Press **SELECT**. The screen displays **ERASE NO YES** and the number. The current choice flashes.
5. Press \swarrow until **YES** flashes.
6. Press **SELECT**. You will hear a confirmation beep.

Dial a Number from the Directory

1. Press \swarrow (\square). The screen displays **DIRECTORY**.
2. Press \searrow or \swarrow to scroll alphabetically through the entries.
-OR-
Press the dial pad key for the first letter of the entry you want to dial.
3. Press **ON** to dial the displayed directory number.

Move a Number/Name to the Speed Dial Memory

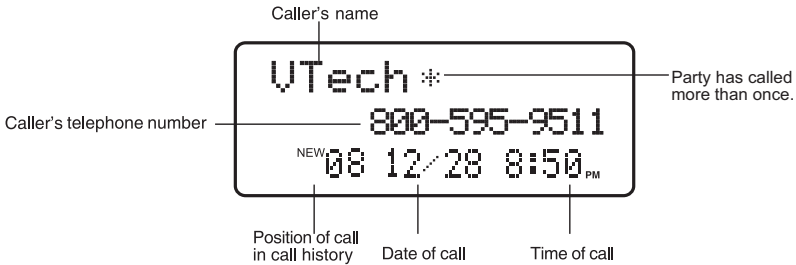
1. Press \swarrow (\square). The screen displays **DIRECTORY**.
2. Press \searrow or \swarrow to scroll alphabetically through directory.
-OR-
Press the dial pad key for the first letter of the entry you want to move.
3. When the screen displays the entry you want to move, press **SELECT**. Then press \swarrow until **SPEED** flashes.



```
SPEED EDIT ERASE
000555511
```

4. Press **SELECT**. The screen displays **ENTER 1-9** and the number.
5. Press the key (1 through 9) to move this entry from the normal directory to the Speed Dial memory and assign the memory location. You will hear a confirmation beep. A memory location number (01 through 09) will be displayed with this entry.

Caller ID Operation



About Call History

This phone assigns each incoming call a number from 1 to 90. The most recent call will have the highest number. When the memory is full, the oldest call information is deleted to make room for new incoming call information.

For each call that comes in, the screen displays the following information between the first and second rings:

- Your caller's name (up to 15 letters are sent by your telephone company).
- The caller's area code and telephone number.
- The time and date of the call.
- The repeat Tag (:*) in the upper right corner, indicating the party has called more than once.

NOTES:

- When repeat Caller ID (CID) data arrives, the time and date information will overwrite the old information, and is displayed during CID review.
- Press **OFF** at any time to exit call history.

Review Call History

1. Press **** (**CID**) to view call history.
2. Use **** or **/** to scroll through records in call history. Press **** to scroll down towards older record. Press **/** to scroll up towards newer record.

Delete Records from Call History

Delete a Specific Call:

1. Locate the record you want to delete from call history.
2. Press **CID DEL**. You'll hear a confirmation beep.

Delete All Calls:

1. With the Handset in idle (**OFF**) mode, press and hold **CID DEL**. The screen displays **ERASE ALL NO YES**. The current choice flashes.
2. Press **/** until **YES** flashes.
3. Press **SELECT**. You will hear a confirmation beep.

Dial a Displayed Number

1. Locate the record in call history that you want to dial.
2. If you wish to change how the number is dialed, press **#**. The screen displays alternate dialing sequences available for this call (area code + number; 1 + area code + number; number only; 1+ number).
3. Press **SELECT**. Press **/** until **DIAL** flashes.

DIAL PROGRAM

800-595-9511
OLD 28 5/01 5:40PM

Caller ID Operation

4. Press **SELECT** again. The number is automatically dialed.

-OR-

When the number is correctly displayed for dialing, press **ON**.

Store a Call History Record in the Directory

1. Locate the record in the call history you want to store in the directory.
2. If you wish to change how the number is stored, press **#**. The screen displays alternate dialing sequences available for this call (area code + number; 1 + area code + number; number only; 1 + number).
3. Press **SELECT**, then press ↗ until **PROGRAM** flashes.

DI AL PROGRAM

800-595-9511

OLD 28 5/01 5:40PM

4. Press **SELECT**. The screen displays the number and name. The cursor appears at the end of the name. Use ↵, ↗ and the dial pad keys to edit the name. Press **SELECT** to move on and edit the number. Use ↵ to backspace and make corrections. Press **SELECT** to confirm.
5. Follow the steps 7 through 11 in **Store a Number/Name** in the Directory.

NOTE: When memory is full the screen displays **MEMORY FULL**, an error tone sounds and you will not be able to store a new number until you delete a stored number.

Display Screen Messages

Screen Displays: When:

PRI VATE

The other party is blocking name and/or number information.

UNKNOWN

Your phone company is unable to receive information about this caller's name and/or number.

* (after the name)

This caller has called you more than once.

Recordable Ringer

In addition to four traditional ringer options and ringer **OFF**, your **gz 2438** Handset has five musical ringers, plus the option for you to record another 2 personal ringers, using the **Ringer Recording** feature.

Traditional Ring Options:

Ringer 1
Ringer 2
Ringer 3
Ringer 4
Ringer OFF

Pre-programmed Melodies:


Metal
Hip-Hop
Pop
Grunge
Rock

Recordable Ringer

You can record your personal ringers with either the provided Audio Patch Cord or with the Handset microphone. You may record up to two unique ringers for a maximum of approximately 20 seconds each.

If you record ringers from your computer or audio source, you need to first connect the Audio Patch Cord. Insert the 3.5mm plug (the larger end) of the Audio Patch Cord into the headset jack of your PC or audio source. Then insert the 2.5mm plug (the smaller end) into the Headset jack on the side of the **gz 2438** Handset. Make sure the audio source is ready to play. Follow these steps:

- Press **PROG**.
- Press \backslash or $/$ until the screen displays **RINGER RECORDING**. Press **SELECT** to confirm.
- Press \backslash or $/$ to select the ringer position you want to record over (**Rock** or **Empty6**).



RI NGER: EMPTY6

- Press **SELECT** to start recording.



RECORDI NG

0:20

- Press **SELECT** to stop. The handset will play back the recorded ringer. Use dial pad keys to enter a name for your new ringer (up to 8 characters).

NOTE: You must enter a name for your new ringer, or it will not be saved.

- Press **SELECT** to confirm. If your recording is successful, you will hear a confirmation beep and the Handset will show **RECORDING SUCC**.

If you use the Handset microphone to record ringers, do not insert the Audio Patch Cord into the headset jack. Follow the same steps above to record your ringer.

NOTE: Cued-up music typically produces the best sounding recorded ringer. It is recommended to begin recording your ringer at the beginning of a song, rather than a portion from the middle to produce an audibly pleasing custom ringer.

Headset Operation

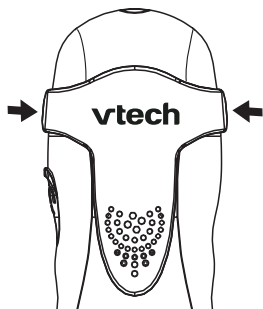
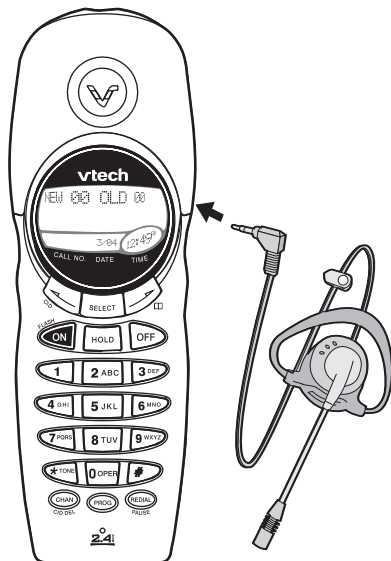
Your **gz 2438** Handset is equipped with a 2.5mm Headset Jack for use with an optional accessory Headset for handsfree operation. If you choose to use the Headset option, you must obtain an optional accessory Headset, which is compatible with the **gz 2438**. For best results, use a VTech 2.5mm headset.

To purchase a Headset, call VTech Customer Service at 1-800-595-9511.

Once you have a compatible 2.5mm Headset, locate the Headset Jack on the **gz 2438** Handset. Connect the plug on the Headset cord to the jack (under a small rubber flap) on the cordless Handset. The plug should fit securely. Do not force the connection.

NOTE:

Whenever a compatible Headset is connected to the cordless Handset, the microphone on the Handset will be muted. This is done to limit the effect of background noise.



Belt Clip

The **gz 2438** is also equipped with a detachable belt clip. Align the pins on the inside edge of the clip with the notches on the sides of the Handset. The belt clip should snap securely into place. Do not force the connection.

In Case of Difficulty

If you have difficulty operating your phone, the suggestions below should solve the problem. If you still have difficulty after trying these suggestions, call VTech Communications at 1-800-595-9511. In Canada, call VTech Telecommunications Canada Ltd. at 1-800-267-7377.

The phone doesn't work at all

- Make sure the Power Cord is plugged in.
- Make sure the telephone line cord is plugged firmly into the Base Unit and the telephone wall jack.
- Make sure the batteries are properly charged. If you get a **LOW BATTERY** message or indication, the batteries need charging.

No dial tone

- First try all the suggestions above.
- If you still don't hear a dial tone, disconnect the Base Unit from the telephone jack and connect a different phone. If there is no dial tone on that phone either, the problem is in your wiring or local service. Contact your local telephone company.

You get noise, static, or a weak signal even when you're near the Base Unit

- Household appliances plugged into the same circuit as the Base Unit can sometimes cause interference. Try moving the appliance or the Base Unit to another outlet.

You get noise, static, or a weak signal when you're away from the Base Unit

- You may be out of range. Either move closer to the Base, or relocate the Base Unit.
- The layout of your home may be limiting the range. Try moving the Base Unit to another position.

The Handset does not ring when you receive a call

- Make sure you have the ringer activated. Refer to the section(s) on **ringer selection** in this User's Manual.
- Make sure the telephone line cord is plugged firmly into the Base Unit and the telephone jack. Make sure the power cord is plugged in.
- You may be too far from the Base Unit.
- You may have too many extension phones on your telephone line to allow all of them to ring. Try unplugging some of the other phones.

In Case of Difficulty

You hear other calls while using your phone

- Disconnect your Base Unit from the telephone jack, and plug in a regular telephone. If you still hear other calls, the problem is probably in your wiring or local service. Call your local telephone company.

You hear noise in the Handset, and none of the keys or buttons work

- Make sure the power cord is plugged in.

Common cure for electronic equipment

If the unit does not seem to be responding normally, then try putting the Handset in its Base. If it does not seem to respond, do the following (in the order listed):

1. Disconnect the power to the Base.
2. Disconnect the Handset battery, and spare battery pack, if applicable.
3. Wait a few minutes.
4. Connect power to the Base.
5. Re-install the battery pack(s).
6. Wait for the Handset to re-establish its link with the Base. To be safe, allow up to one minute for this to take place.

Maintenance

Taking care of your telephone

Your cordless telephone contains sophisticated electronic parts, so it must be treated with care.

Avoid rough treatment

Place the Handset down gently. Save the original packing materials to protect your telephone if you ever need to ship it.

Avoid water

Your telephone can be damaged if it gets wet. Do not use the Handset outdoors in the rain, or handle it with wet hands. Do not install your Base Unit near a sink, bathtub, or shower.

Electrical storms

Electrical storms can sometimes cause power surges harmful to electronic equipment. For your own safety, use caution when using electric appliances during storms.

Cleaning your telephone

Your telephone has a durable plastic casing that should retain its luster for many years. Clean it only with a soft cloth slightly dampened with water or a mild soap. Do not use excess water or cleaning solvents of any kind.

Remember that electrical appliances can cause serious injury if used when you are wet or standing in water. If your Base Unit should fall into water, **DO NOT RETRIEVE IT UNTIL YOU UNPLUG THE POWER CORD AND TELEPHONE LINE CORDS FROM THE WALL.** Then pull the unit out by the unplugged cords.

Warranty Statement

What does this limited warranty cover?

- The manufacturer of this VTech product, VTech Communications, warrants to the holder of a valid proof of purchase (“Consumer” or “you”) that the product and all accessories provided by VTech in the sales package (“Product”) are free from material defects in material and workmanship, pursuant to the following terms and conditions, when installed and used normally and in accordance with operation instructions. This limited warranty extends only to the Consumer for Products purchased and used in the United States of America.

What will VTech Communications do if the Product is not free from material defects in materials and workmanship during the limited warranty period (“Materially Defective Product”)?

- During the limited warranty period, VTech’s authorized service representative will repair or replace at VTech’s option, without charge, a Materially Defective Product. If we repair this product, we may use new or refurbished replacement parts. If we choose to replace this product, we may replace it with a new or refurbished product of the same or similar design. VTech will return repaired or replacement products to you in working condition. VTech will retain defective parts, modules, or equipment. Repair or replacement of Product, at VTech’s option, is your exclusive remedy. You should expect the repair or replacement to take approximately 30 days.

How long is the limited warranty period?

- The limited warranty period for the product extends for ONE (1) YEAR from the date of purchase if we repair or replace a Materially Defective Product under the terms of this limited warranty. This limited warranty also applies to repaired or replacement Products for a period of either (a) 90 days from the date the repaired or replacement Product is shipped to you or (b) the time remaining on the original one-year warranty; whichever is longer.

What is not covered by this limited warranty?

This limited warranty does not cover:

1. Product that has been subjected to misuse, accident, shipping or other physical damage, improper installation, abnormal operation or handling, neglect, inundation, fire, water or other liquid intrusion; or
2. Product that has been damaged due to repair, alteration or modification by anyone other than an authorized service representative of VTech; or
3. Product to the extent that the problem experienced is caused by signal conditions, network reliability or cable or antenna systems; or
4. Product to the extent that the problem is caused by use with non-VTech electrical accessories; or
5. Product whose warranty/quality stickers, Product serial numbers plates or electronic serial numbers have been removed, altered or rendered illegible; or
6. Product purchased, used, serviced or shipped for repair from outside the United States, or used for commercial or institutional purposes (including but not limited to Products used for rental purposes); or
7. Product returned without valid proof of purchase (see 2 below); or
8. Charges for installation or set up, adjustment of customer controls and installation or repair of systems outside the unit.

Warranty Statement

How do you get warranty service?

- To obtain warranty service in the United States of America, call 1-800-595-9511 for instructions regarding where to return the Product. Before calling for service, please check the user's manual. A check of the Product controls and features may save you a service call.
- Except as provided by applicable law, you assume the risk of loss or damage during transit and transportation and are responsible for delivery or handling charges incurred in the transport of Product(s) to the service location. VTech will return repaired or replaced product under this limited warranty to you, transportation, delivery or handling charges prepaid. VTech assumes no risk for damage or loss of the Product in transit.
- If the Product failure is not covered by this limited warranty, or proof of purchase does not meet the terms of this limited warranty, VTech will notify you and will request that you authorize the cost of repair prior to any further repair activity. You must pay for the cost of repair and return shipping costs for the repair of Products that are not covered by this limited warranty.

What must you return with the Product to get warranty service?

1. Return the entire original package and contents including the Product to the VTech service location along with a description of the malfunction or difficulty;
2. Include "valid proof of purchase" (sales receipt) identifying the Product purchased (Product model) and the date of purchase or receipt; and
3. Provide your name, complete and correct mailing address, and telephone number.

Other Limitations

- This warranty is the complete and exclusive agreement between you and VTech. It supersedes all other written or oral communications related to this Product. VTech provides no other warranties for this product. The warranty exclusively describes all of VTech's responsibilities regarding the product.

There are no other express warranties. No one is authorized to make modifications to this limited warranty and you should not rely on any such modification.

State Law Rights: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Limitations: Implied warranties, including those of fitness for a particular purpose and merchantability (an unwritten warranty that the product is fit for ordinary use) are limited to one year from date of purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

- In no event shall VTech be liable for any indirect, special, incidental, consequential, or similar damages (including, but not limited to lost profits or revenue, inability to use the product, or other associated equipment, the cost of substitute equipment, and claims by third parties) resulting from the use of this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

FCC, ACTA and IC Regulations

This equipment complies with Parts 15 of the Federal Communications Commission (FCC) rules for the United States. It also complies with regulations RSS210 and CS-03 of Industry and Science Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. A label is located on the underside of the Base Unit containing either the FCC registration number and Ringer Equivalence Number (REN) or the IC registration number and Load Number. You must, upon request, provide this information to your local telephone company.

This equipment is compatible with inductively coupled hearing aids.

Should you experience trouble with this telephone equipment, please contact:

VTech Communications Inc. CUSTOMER SERVICE at 1-800-595-9511. In Canada, call VTech Telecommunications Canada Ltd. at 1-800-267-7377 for repair/warranty

information. The telephone company may ask you to disconnect this equipment from the line network until the problem has been corrected.

FCC Part 15

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The equipment has been tested and found to comply with 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 and 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 or on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Part 68 and ACTA

If this equipment was approved for connection to the telephone network prior to July 23, 2001, it complies with Part 68 of the Federal Communications Commission (FCC) rules. If the equipment was approved after that date, it complies with the Part 68 rules and with Technical Requirements for Connection of Equipment to the Telephone Network adopted by the Administrative Council for Terminal Attachments (ACTA). We are required to provide you with the following information.

FCC, ACTA and IC Regulations

1. Product identifier and REN information

The label on the back or bottom of this equipment contains, among other things, an identifier indicating product approval and the Ringer Equivalence Number (REN). This information must be provided to your local telephone company upon request. For equipment approved prior to July 23, 2001, the product identifier is preceded by the phrase "FCC Reg No." and the REN is listed separately. For equipment approved after that date, the product identifier is preceded by "US" and a colon (:), and the REN is encoded in the product identifier without a decimal point as the sixth and seventh characters following the colon. For example, the product identifier US:AAAEQ03T123XYZ would indicate an REN of 0.3.

The REN is used to determine how many devices you may connect to your telephone line and still have them ring when you are called. In most, but not all areas, the sum of all RENs should be five (5.0) or less. For more information, please contact your local telephone company.

2. Connection and use with the nationwide telephone network

The plug and jack used to connect this equipment to the premises wiring and the telephone network must comply with the applicable Part 68 rules and technical requirements adopted by ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. An RJ11 jack should normally be used for connecting to a single line and an RJ14 jack for two lines. See Installation Instructions in this user's manual. This equipment may not be used with Coin Telephone Lines or with Party Lines. If you have specially wired alarm dialing equipment connected to your telephone line, ensure the connection of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

3. Repair instructions

If this equipment is malfunctioning, it must be unplugged from the modular jack until the problem has been corrected. Repairs to this telephone equipment can only be made by the manufacturer or its authorized agents. For repair procedures, follow the instructions outlined under the Limited Warranty.

4. Rights of the telephone company

If this equipment is causing harm to the telephone network, the telephone company may temporarily discontinue your telephone service. The telephone company is required to notify you before interrupting service. If advance notice is not practical, you will be notified as soon as possible. You will be given the opportunity to correct the problem and the telephone company is required to inform you of your right to file a complaint with the FCC. Your telephone company may make changes in its facilities, equipment, operation, or procedures that could affect the proper functioning of this product. The telephone company is required to notify you if such changes are planned.

5. Hearing aid compatibility

If this product is equipped with a corded or cordless handset, it is hearing aid compatible.

6. Programming/testing of emergency numbers

If this product has memory dialing locations, you may choose to store police, fire department and emergency medical service telephone numbers in these locations. If you do, please keep three things in mind:

- a. We recommend that you also write the telephone number on the directory card, so that you can still dial the emergency number manually if the memory dialing

FCC, ACTA and IC Regulations

feature doesn't work.

- b. This feature is provided only as a convenience, and the manufacturer assumes no responsibility for customer reliance upon the memory feature.
- c. Testing the emergency telephone numbers you have stored is not recommended. However, if you do make a call to an emergency number:
 - You must remain on the line and briefly explain the reason for the call before hanging up.
 - Programming/testing of emergency numbers should be performed during off-peak hours, such as in the early morning or late evening, when the emergency services tend to be less busy.

IC (Industry Canada)

This telephone is registered for use in Canada.

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

Notice: This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

Notice:

The Ringer Equivalence Number (REN) for this terminal equipment is 0.1. The REN assigned to each terminal equipment 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 five.

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 services in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility 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 system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution:

Users should not attempt to make such connections themselves, but should contact the appropriate electrical inspection authority or electrician as appropriate.

Your Cordless Phone is designed to operate at the maximum power allowed by the FCC and IC. This means your Handset and Base Unit can communicate only over a certain distance - which will depend on the location of the Base Unit and Handset, weather, and the construction and layout of your home or office.

The RBRC® Seal



The **RBRC®** Seal on the nickel-cadmium battery indicates that VTech Communications, Inc. is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful lives, when taken out of service within the United States and Canada.

The **RBRC®** program provides a convenient alternative to placing used nickel-cadmium batteries into the trash or municipal waste, which may be illegal in your area.

VTech's participation in **RBRC®** makes it easy for you to drop off the used battery at local retailers participating in the **RBRC®** program or at authorized VTech product service centers. Please call **1-800-8-BATTERY™** for information on Ni-Cd battery recycling and disposal bans/restrictions in your area. VTech's involvement in this program is part of its commitment to protecting our environment and conserving natural resources.

RBRC® is a registered trademark of Rechargeable Battery Recycling Corporation.

Technical Specifications

FREQUENCY CONTROL

Crystal controlled PLL synthesizer

TRANSMIT FREQUENCY

Base: 2410.2 - 2418.9 MHz

Handset: 912.75 - 917.10 MHz

RECEIVE FREQUENCY

Base: 912.75 - 917.10 MHz

Handset: 2410.2 - 2418.9 MHz

CHANNELS

30 Channels

NOMINAL EFFECTIVE RANGE

Maximum power allowed by FCC and IC.
Actual operating range may vary according to environmental conditions at the time of use.

SIZE

Handset: 173.5mm x 58.2mm x 40mm

Base: 153mm x 127mm x 87mm

WEIGHT

Handset: 217 grams

Base: 213.8 grams

POWER REQUIREMENTS

Handset: 400 mAh Ni-Cd Battery Pack

Base: 9V DC @ 300mA

MEMORY

Speed Dial:

9 Memory locations;

15 characters for name,

24 digits for number per location

Directory:

50 Memory locations

(including 9 Speed Dial entries);

15 characters for name,

24 digits for number per location

CID: 90 Memory locations

**SPECIFICATIONS ARE TYPICAL AND
MAY CHANGE WITHOUT NOTICE.**

vtech

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ISSUE 0

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Replacement Battery Order Form

Part Number (Description)	QTY	X Price	=	Subtotal
---------------------------	-----	---------	---	----------

80-5074-00-00
(SBA Series Battery, 3.6V 400mAh Ni-Cd) _____ x \$14.95 = _____

For orders up to \$80, add \$6.95 Shipping _____

For orders over \$80, add \$9.95 Shipping _____

+ Sales Tax (if applicable) _____

TOTAL _____

SHIPPING INFORMATION

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

DAYTIME PHONE () _____

DELIVERY IS LIMITED TO THE CONTINENTAL US, ALASKA, HAWAII, PUERTO RICO, AND THE US VIRGIN ISLANDS. NO DELIVERY TO PO BOXES OR APO ADDRESSES.

METHOD OF PAYMENT: DO NOT SEND CASH

CHECK

MONEY ORDER

VISA

MASTERCARD

AMERICAN EXPRESS

DISCOVER

Checks and Money Orders should be made payable to VTech Communications, Inc.

BILLING INFORMATION

CREDIT CARD # _____

EXPIRATION DATE _____ SECURITY CODE* _____

CARDHOLDER'S SIGNATURE _____

BILLING ADDRESS IF PAYING BY CREDIT CARD (as it appears on your credit card statement)

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

*A three or four digit number found either on the front of the credit card or on the back of the credit card in the Authorized Signature section that is separate from the credit card number.

Place order form and payment in envelope and send to:

VTech Communications, Inc.
PO Box 178
Valley Park, MO 63088-0178

You may also order online at
www.vtechphones.com
or by calling 1-800-595-9511

