

Answering system operation

Set your answering system to answer calls at least two rings earlier than your voicemail is set to answer. For example, if your voicemail answers after six rings, set your answering system to answer after four rings. Some voicemail providers may program the delay before answering calls in seconds instead of rings. In this case, allow six seconds per ring when determining the appropriate setting.

Message capacity

The answering system can record and store up to 99 messages. Each message can be up to three minutes in length. The total storage capacity for the announcement, messages and memos is approximately 14 minutes. The actual recording time depends on individual message characteristics. Messages remain available for replay until you delete them.

When there are new messages (including memos) on the answering system, the number of messages stored flashes in the message counter.

If the answering system has three minutes of recording time left, it announces, *"Less than three minutes to record,"* before message playback at the handset or the telephone base. If the memory is low, **Rec mem low** displays on the handset screen in idle mode. When you turn on the answering system at the telephone base, it announces, *"Calls will be answered. Less than three minutes to record."*

If the memory is full, the answering system announces, *"Memory is full,"* before message playback. The handset screen displays **Rec mem full** in idle mode and the number of messages and **F** flash alternately in the message counter at the telephone base. You cannot turn on the answering system and record new messages until old ones have been deleted. **Memory full** displays if you want to turn on the answering system on the handset but there is no memory.

Voice prompts

The system provides voice prompts to guide you through the setup procedures at the telephone base, message playback, remote access and recording outgoing announcements.

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Call intercept

When a caller is leaving a message on your answering system, you can stop recording and talk to the caller by pressing **⬆/HOME/FLASH** or **⬆** on the handset.

note

See page 29 to set the handset ringer volume.

Telephone base ringer volume

Press **▲/VOL** or **▼/VOL** on the side of telephone base to adjust the ringer volume when the telephone is not in use. When you set the ringer volume to zero, the base ringer is off and the system announces, *"Base ringer is off."*

Temporarily turning off the message alert tone

If the new message alert tone is turned on, the telephone base beeps every 10 seconds when there are new or missed messages. Pressing any telephone base key (except **⬆/FIND HANDSET**) temporarily silences the message alert tone.

If you press **X/DELETE** when in idle mode to temporarily turn off the message alert tone, there is a voice prompt directing you to press **X/DELETE** again to delete all old messages. The message alert tone is temporarily

Only press **X/DELETE** a second time if you wish to erase all old messages your base answering system.

The message alert tone resumes when you receive another message.

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Message playback

If you have new messages, the telephone plays only the new messages (oldest first). If there are no new messages, the telephone plays back all messages (oldest first).

When playback begins, the handset screen displays the message status, caller ID or the caller number, time and date of the message recorded. You hear the total number of messages followed by the day and time of the message. After the last message, the telephone announces, *"End of messages,"* and the screen displays **End of messages**.



To play messages with the telephone base:

1. Press ►/■/PLAY/STOP to listen to messages.

Options during playback:

- Press ▲/VOL or ▼/VOL to adjust the speaker volume.
- Press ►/SKIP to skip the message summary or to the next message.
- Press ◀/REPEAT to repeat the message currently playing. Press ◀/REPEAT twice to listen to the previous message.
- Press X/DELETE to delete the current message. The system advances to the next message.
- Press ►/■/PLAY/STOP to stop.

To play messages with a handset:

1. Press **MENU** to show the menu when the handset is not in use.
2. Press **SELECT** to choose **Play messages**.
 - If you have both new and old messages saved, a menu will be displayed for choosing to review which type of message.
 - If the caller ID is present, press **HOME/FLASH** to pause the message playback. The screen displays **Call back?** and the caller ID below. Press **YES** to call, or **NO** to resume to the playback.

Answering system operation

Message playback (continued)

Options during playback:

- Press **^/VOL** or **~/VOL** to adjust the speaker volume.
- Press **SKIP** to skip the message summary or to the next message.
- Press **REPEAT** to repeat the message currently playing.
- Press **DELETE** to delete the current message. The system advances to the next message.
- Press **2** to access the caller information. The message playback will be paused and the screen displays the full caller ID. Press **⬆/HOME/FLASH** or **DIAL** to call, or press **OFF/CANCEL** to resume the playback.

note

- **Caller info** option is available when either name or the number is logged.
- When the answering system has less than five minutes of recording time left, the remaining time is announced. When the answering system has no recording time left, it announces *"Memory is full,"* and **Rec mem full** displays.

Answering system operation

Delete all old messages

Using the telephone base:

Press **X/DELETE** when the phone is not in use. The telephone announces, *"To delete all old messages, press **DELETE** again."* Press **X/DELETE** again. All previously heard messages are erased and the telephone announces, *"All old messages deleted."*

Using a handset:

1. Press **MENU** on the handset when it is not in use.
2. Press **SELECT** to choose **Answering sys.**
3. Press **^** or **v** to highlight **Delete all old**, then press **SELECT**.
4. The handset displays **Delete all old messages?** Press **YES** to confirm.

note

You can only delete old messages, which are messages you have played.

Record and play memos

Memos are your own recorded messages used as reminders for yourself or others using the same answering system. You can record your own memos using a system handset. Playback and delete them the same way as incoming messages.

To record a memo:

1. Press **MENU** on the handset when it is not in use.
2. Press **SELECT** to choose **Answering sys.**
3. Press **^** or **v** to highlight **Record memo**, then press **SELECT**.
4. The system announces, *"Recorded after the tone. Press **STOP** when you are done."* After the tone, speak towards the microphone.
5. Press **STOP** when you finish recording. The handset announces, *"Recorded"* and then returns to the previous menu.

note

- The system announces *"Memory is full."* if you record a memo when the memory is full.
- Each memo can be up to four minutes in length.
- Memos shorter than two seconds are not recorded.

Answering system operation

Message window displays

Window display	Description
0	No messages.
0 (flashing)	The clock needs to be set.
1-99	Total number of old messages and memos recorded. During old message playing back, it shows the current message number
1-99 (flashing)	Total number of new messages and memos recorded. During old message playing back, it shows the current message number The telephone base might have lost and regained power. The clock needs to be set.
1-99 & F (alternating)	Memory is full with total number of messages recorded.
1-99 (flashing)	Current message number during new message playback.
1-99	Current message number during old message playback.
1-8	Telephone base speaker volume level while adjusting.
0-6	Telephone base ringer level while adjusting.
.....	The system is answering a call, or recording a memo or announcement. Telephone is answering a call or being accessed remotely. The answering system is being programmed.

note

When the memory is full, the answering system answers incoming calls after 10 rings and announces, *"Memory is full. Enter the remote access code."*

Answering system operation

Remote access

A two-digit security code is required to access the answering system remotely from any touch-tone telephone. The preset code is **19**. See **Remote access code** on page 75 to change it.

1. Dial your telephone number from any touch-tone telephone.
2. When the system plays your announcement, enter the two-digit security code.
3. You can also enter one of the following remote commands.

Command	Function
1	Play all messages.
2	Play only new messages.
3	Delete the current message (during playback).
33	Delete all old messages.
4	Repeat the current message (during playback).
44	Play previous message.
5	Stop.
*5	Hear a list of remote commands.
6	Skip to the next message (during playback).
*7	Record a new announcement.
8	Hang up the call
0	Turn the answering system on or off.

4. Press ***9** at the remote access menu, or hang up to end the call.

note

- If you do not press any keys after you enter the remote access code, all new messages play. If there are no new messages, all old messages play.
- Once the new messages have played, the telephone announces the help menu options. If you do not press any key within 20 seconds, the remote access call automatically disconnects.
- When the answering system is turned off, the telephone answers after 10 rings, and announces, *"Please enter your remote access code."*
- When the memory is full, the answering system answers incoming calls after 10 rings and announces, *"Memory is full. Enter the remote access code."*

Appendix

Display screen messages

Add device failed	The Bluetooth device fails to add to the telephone base
Already saved	The telephone number entered is already stored in the directory.
Area code will not show in Caller ID log	The area code will not be shown in caller ID log after area code is set.
Bluetooth system busy	You are trying to make a cell call or access the Bluetooth menu when the Bluetooth link is already being used.
Caller ID log empty	There are no caller ID log entries.
Caller ID won't be announced.	The ringer volume is turned off in your handset that has a voice announce setting available.
Calling all devices (for models with more than two handsets)	You are calling all other handsets.
Calling Handset X (for models with more than two handsets) Calling other handset (for models with two handsets)	You are calling another handset.
Calls will be answered	Calls will be answered by the answering system.
Calls will not be answered. Memory full	Calls will not be answered by the answering system due to the short of memory.
Cell	The cell line is in use.
Cell call on hold	A call on the cell line has been put on hold.
Cell line in use	A system handset on the cell line is in use.
Cellular phone not connected	There is no cell phone connected when you try to make a call on the cell line.
Connecting...	Connection is establishing between the telephone base and the Bluetooth device.
Connection failed	Unsuccessful connection between a Bluetooth device and the telephone base.
Connecting to all handsets...	You are trying to start a Push-to-talk session to all other handsets.
Cell phone A is added and connected to base.	The Bluetooth device is successfully added and connected to the telephone base.
Device list is empty	The Bluetooth device list is empty.
Device disconnected	A Bluetooth device is disconnected.

Appendix

Display screen messages (continued)

Device renamed	A Bluetooth device is renamed.
Directory empty	There are no directory entries.
Directory full	The directory is full.
Download fail	The telephone system fails to download directory from cell phone.
Downloading dir	The telephone system is downloading the directory from a cell phone.
Ended	You have just ended a call.
End of messages	You reach to the end of the message playbacks.
Handset X is calling (for models with more than two handsets) Other handset is calling (for models with two handsets)	Another system handset is calling.
Handset X is calling all	One of the system handset is calling all others.
Headset X is deactivated	The headset is deactivated from the active slot.
Headset not connected!	The Bluetooth headset is not connected to the telephone base.
Home	The home line is in use.
Home call on hold	A call on the home line has been put on hold.
Home & cell calls on hold	Calls on the home and cell lines have been put on hold.
Home & cell lines in use	Calls on the home and cell lines are in use.
Home line in use	A system handset or another telephone on the same home line is in use.
Incoming call	There is an incoming call.
Incorrect PIN	The PIN number for adding a Bluetooth device is incorrect.
Intercom	The handset is on an intercom call.
Intercom ended	You have just ended an intercom call.
Key tone off	The key tone volume is set as off.
Less than 3 min to record	Voice message memory is low.
Low battery	The battery needs to be recharged.
Message deleted	The voice message is deleted.

Appendix

Display screen messages (continued)

Memory full	The memory for recording voice messages and memos is full.
Microphone on	MUTE is turned off and the person on the other end can hear you.
Microphone Off	You have turned off the handset microphone. The other party cannot hear you but you can hear the other party.
New voicemail	There are new voicemail message(s) from your telephone service provider for the home line.
No answer. Try again.	The intercom request is not answered by any other handsets.
NO INCOMING PTT	The incoming Push-to-talk function is disabled, no incoming PTT calls received.
No entries found. Try downloading from SIM only	There are no entries found when you download a cell phone directory from the cell memory.
No entries found. Try downloading from Phone only	There are no entries found when you download a cell phone directory from your SIM card. There are no entries found in either the cell or SIM card when you download a cell phone directory from both memories.
No headset found	The Bluetooth headset cannot be found.
No line	There is no telephone line connected.
No message	There are no old messages at the answering system when you try to delete all old messages with a handset.
No signal. Call ended.	Communication between handset and telephone base is lost during a call.
Not available at this time	One handset is already viewing the caller ID log, directory or answering system and another handset attempts to review it. The receiver handset is in use when initiator handset starts a Push-to-talk or intercom.
Out of range OR no power at base	The handset has lost communication with the telephone base. There is no power connected to the telephone base.

Appendix

Display screen messages (continued)

Only 1 headset in device list can be ready for connection.	One headset is already connected to the Bluetooth.
Only 2 devices can be ready for connection	There are already two Bluetooth devices active or connected.
Only for 7 digits dialing from Caller ID log	The area code only applies on the 7 digit numbers dialing from the caller ID log.
** Paging **	The system handset is being paged.
Place in charger	The battery is very low. The handset should be placed in the telephone base or charger.
Please use cell to connect to base.	You need to use the cell phone to establish a connection to the telephone base.
Place handset in charger	The battery is very low. Place the handset in the telephone base or charger for recharging.
PTT requires two handsets	You need to have another handset registered in order to initiate a Push-to-talk session.
PTT From Handset X To Handset X	A Push-to-talk is requested from a handset to all other handsets.
PTT To	You have started the Push-to-talk process, and need to enter the number of the handset you wish to call.
Push-to-talk Ended	The Push-to-talk session is over.
Rec mem full	The answering system has no recording time left.
Receiving entries...	The telephone system is receiving the directory entries from a cell phone.
Redial empty	There are no entries in the redial list.
Registration failed	Your handset cannot register to the telephone base.
Ringer muted	The ringer is muted temporarily during an incoming call or intercom call.
Saved	Your selection has been saved.
To register the handset, put it on Base charger	Your handset is not registered to the telephone base.

Appendix

Transferring call to Handset X Transferring call to all (for models with more than two handsets) Transferring to other handset (for models with two handsets)	An incoming call is transferring from your handset to a target handset.
Transferring from Handset X	Your handset receives a transferred incoming call from another handset.
Unable to call try again	You tried to make an intercom call, but the handset you are calling is in the directory, in the caller ID log, out of range or on an outside call.

Appendix

Handset and telephone base indicators

Handset lights

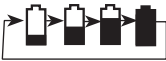
	On when the handset speakerphone is in use.
 /CELL	Flashes quickly when there is an incoming cell call. Flashes slowly when the cell line is on hold.
 /HOME/FLASH	Flashes quickly when there is an incoming home call. Flashes slowly when the home line is on hold.
CHARGE	On when the handset is charging in the telephone base or charger.

Telephone base lights

 /ANS ON/OFF	On when the answering is turned on.
D1/D2	On when a Bluetooth device is connected to the base. Flash while pairing a Bluetooth device.
IN USE	On when the telephone line is in use or on hold. On when the answering system is answering a call. On when you are registering a handset. Flashes quickly when there is an incoming call. Flashes when another telephone sharing the same line is in use. Flashes when you are deregistering all handsets.

Appendix

Handset icons

	HOME line - on steadily when the home line is in use or there is an incoming home call.
 1  2	CELL line - on steadily when the cell line is in use or there is an incoming cell call.
 1  2	Bluetooth connected device(s) - indicates that there are Bluetooth connected devices on the device list.
 1  2	Bluetooth disconnected device(s) - indicates that there are Bluetooth disconnected devices on the device list.
 1  2	Wireless Bluetooth headset - on steadily when a wireless Bluetooth headset is in use on the home line.
	Speakerphone - the speakerphone is in use.
	Ringer off - on steadily when all the ringers of Home , Cellular 1 and Cellular 2 are turned off. Flashes when only one or two of the ringers are turned off.
	New voicemail - indicates you have new voicemail message(s) from the telephone service provider for the home line.
	New answering system message - indicates you have a new answering system message(s).
	Battery status - animates when the battery is charging. Becomes solid when the battery is fully charged.
	Battery status - flashes when the battery is low and needs charging.
ANS ON	Answering system on - indicates that the answering system is turned on to answer incoming home calls.
NEW	New caller ID log - indicates that the missed call is new.
MUTE	Mute - the microphone is muted.

Appendix

Battery

It takes up to 16 hours for the battery to be fully charged. When it is fully charged, you can expect the following performance:

Operation	Operating time
While in handset use (talking*)	Up to seven hours
While in speakerphone mode (talking*)	Up to five hours
While not in use (standby**)	Up to seven days

*Operating times vary depending on your actual use and the age of the battery.

**Handset is not charging or in use.

The battery needs charging when:

- A new battery is installed in the handset.
- The handset beeps every minute while on a call.
- The handset beeps and **Low battery** displays on the handset.
- **Place in charger** displays on the handset.
- A battery is properly installed but the screen is blank.

CAUTION:

To reduce the risk of fire or injury, read and follow these instructions:

- Use only the battery(ies) provided or equivalent. To order a replacement, visit our website at www.vtechphones.com or call 1 (800) 595-9511. In Canada, go to www.vtechcanada.com or dial 1 (800) 267-7377.
- Do not dispose of the battery(ies) in a fire. Check with local waste management codes for special disposal instructions.
- Do not open or mutilate the battery(ies). Released electrolyte is corrosive and might cause burns or injury to the eyes or skin. The electrolyte might be toxic if swallowed.
- Exercise care in handling batteries in order not to create a short circuit with conductive materials.
- Charge the battery(ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.
- Observe proper polarity orientation between the battery and metallic contacts.
- To prevent fire or shock hazard, do not expose this product to water or any type of moisture.

Appendix

Expand your telephone system

The handsets provided with your telephone system are already registered. Additional handsets registered to the telephone system are assigned in sequential order. For instance, if you already have **HANDSET 1** and **HANDSET 2**, the new registered handset is assigned **HANDSET 3**. This telephone system accommodates up to 12 handsets.

Add and register a handset (optional)

You can add new handsets (**DS6401**, purchased separately) to your telephone system, but each handset must be registered with the telephone base before use. When first purchased, each expansion handset shows **To register the handset, put it on Base charger** after a battery is installed. You may need to charge the handset before registering to the telephone base. For more details on battery charging, see the table on page 5.

To register a handset:

1. Put your handset on the base charger. The screen displays **Registering handset...** on the handset.
2. Wait for around a minute, the screen displays **HANDSET X Registered**. The handset is successfully registered. You hear a confirmation tone.

note

- If the registration fails, the handset shows **Registration failed** for a few seconds and then **To register the handset, put it on Base charger**. Try the registration process again.
- You cannot register a handset if any other system handset is in use.
- Features like one-to-all PTT and voice announce caller ID can support up to the fourth registered handset.

Appendix

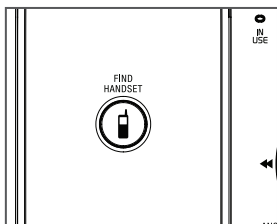
Replace a handset

If you want to replace a handset or reassign the designated handset number of a registered handset, you must deregister all the handsets and then individually register each handset.

To make deregistration easier, read all of the instructions on this page before you begin.

To deregister all handsets:

1. Press and hold **⏏/FIND HANDSET** on the telephone base for about 10 seconds until the **IN USE** light flashes, then release **FIND HANDSET**.
2. Press **⏏/FIND HANDSET** again. You must press **⏏/FIND HANDSET** while the **IN USE** light is still flashing. The **IN USE** light flashes for about seven seconds.
3. All system handsets show **To register the handset, put it on base charger**, and you hear a confirmation tone when the deregistration is completed. The deregistration process takes about 10 seconds to complete.



If deregistration fails, you may need to reset the telephone and try again.

To reset:

- Press and hold **OFF/CANCEL** or place the handset back in the telephone base.

- OR -

- Unplug the power from the telephone base, then plug it back in.

After deregistering, register each handset individually. See **Add and register a handset** on page 93.

note

You cannot deregister handsets if any system handset is in use.

Appendix

Troubleshooting

If you have difficulty with your telephone, please try the suggestions below. For Customer Service, visit our website at www.vtechphones.com or call 1 (800) 595-9511. In Canada, go to www.vtechcanada.com or call 1 (800) 267-7377.

I cannot add my cell phone to the telephone base.

- Make sure you have cellular coverage.
- Make sure your cell phone is compatible with your **DS6421**. Check the Bluetooth compatibility list at www.vtechphones.com.
- Make sure the Bluetooth function of your cell phone is turned on. See the user's manual of your cell phone for more information.
- Remove **VTech DS6421** from your cell phone's handsfree device history list (see the user's manual of your cell phone for more information).
- Carefully follow the pairing instructions on page 17 and make sure that your cell phone is not connected to any other Bluetooth device.
- Turn off your cell phone, then turn it on again.
- Reset the telephone base. Unplug the unit's electrical power. Wait for approximately 15 seconds, then plug it back in. Repeat the above suggestions.

I cannot add my headset to the telephone base.

- Make sure that your Bluetooth headset is in discoverable mode when pairing with the telephone base. See the user's manual of your headset for more information on how to set your headset to discoverable mode.
- Carefully follow the pairing instructions on page 19 and make sure that your headset is not connected to any other Bluetooth device.
- Reset the telephone base. Unplug the unit's electrical power. Wait for approximately 15 seconds, then plug it back in. Repeat the above suggestions.

I cannot connect my cell phone with the telephone base.

- Make sure that the Bluetooth function of your cell phone is turned on. See the user's manual of your cell phone for more information.
- Make sure that your Bluetooth cell phone is not connected to any other Bluetooth device.
- Turn off your cell phone, then turn it on again.
- Make sure that your cell phone is connected and active on the device list.
- For some cell phones, you must authorize **VTech DS6421** device in your cell phone's Bluetooth feature. See the user's manual of your cell phone for more information.
- Manually connect your cell phone to **VTech DS6421**. Refer to the user's manual of your cell phone for more information.

I cannot connect my headset with the telephone base.

- Make sure that your Bluetooth headset is not connected to any other Bluetooth device.
- Make sure that your headset is connected and active on the device list.

Appendix

Troubleshooting

I cannot put my headset in discoverable mode.

- Refer to the user's manual of your headset for information on how to set your headset to discoverable mode.
- Make sure that the headset is not connected to any other Bluetooth device in order to successfully pair and connect to the telephone base.
- Carefully follow the pairing process on page 19.
- Reset the telephone base. Unplug the unit's electrical power. Wait for approximately 15 seconds, then plug it back in. Repeat the above suggestions.

I cannot find VTech DS6421 on my cell phone.

- Make sure that the telephone base is in discoverable mode. Carefully follow the setup instructions on page 17.
- Make sure that you manually set your cell phone to search for devices.
- Remove **VTech DS6421** from your cell phone's handsfree device history list (see the user's manual of your cell phone).
- Turn off your cell phone, then turn it on again.
- Reset the telephone base. Unplug the unit's electrical power. Wait for approximately 15 seconds, then plug it back in. Repeat the above suggestions.

I don't know how to search for or add new devices on my cell phone.

- Most cell phones have the Bluetooth feature in the connection or setup menus. Please refer to the user's manual of your cell phone.
- In general, press the menu key on your cell phone, then look for the Bluetooth menu in the settings or connection menu. In the Bluetooth menu, select the option to search for or add new devices.

My cell phone disconnects with the telephone base.

- Turn off your cell phone, then turn it on again.
- Make sure that you are not using your cell phone when on a cell call.

My cell phone is connected to the telephone base, but I cannot make a cell call.

- Make sure that your cell phone is not in use when you are trying to make a cell call.
- For some smartphones, make sure that the cellular function is turned on.

Bluetooth system busy appears on the display.

- Make sure that your cell phone is not in use when connected and active on the device list.
- Make sure that your cell phone or headset is not connected to any other Bluetooth device.
- **DS6421** can only use one Bluetooth device at a time.

Appendix

Troubleshooting

The PIN on the telephone base does not work.

- The default PIN is **0000**.
- If you have changed the PIN, it will appear on the handset in the pairing process.

I cannot hear any audio on my telephone system when on a cell call.

- Reset the telephone base. Unplug the unit's electrical power. Wait for approximately 15 seconds, then plug it back in.
- Turn off your cell phone, then turn it on again.

I cannot download contacts from my cell phone to DS6421.

- Make sure that your cell phone is paired and connected to the base.
- Make sure you place your cell phone next to the base while downloading.
- If your cell phone does not support the download, the system is always ready to receive phonebook entries sent by your active cell phone.

I see duplicate entries in my downloaded directory

- If you see duplicate directory entries, you can delete them manually. Another option is to download again either your SIM card or phone memory, but not both.

Some of my cell phone contacts were not imported to DS6421.

- Make sure to try transferring the contacts from your SIM card to your phone memory first, then download from your phone memory. If that doesn't work, try transferring the contacts from your phone memory to your SIM card, then download from your SIM card. For more information on how to transfer contacts between your SIM card and your phone memory, refer to the user's manual of your cell phone.

Can the DS6421 help the poor cell phone reception in my house?

- If your cell phone has poor reception in your home, the **DS6421** cannot improve the reception. However, if there is a location in your house with better reception, you can leave your cell phone at that location while you use **DS6421** cell line. In order for this to work, the telephone base must be within 30 feet of the cell phone.

The listening volume of my cell call is too loud or quiet.

- During a cell call, if the listening volume is too loud or quiet, try changing the volume on your cell phone. On some cell phones, changing the volume on the cell phone affects your cell call volume on the **DS6421/6401** handset.

My telephone does not work at all.

- Make sure the battery is installed and charged correctly (page 4). For optimum daily performance, return the handset to the telephone base or charger after use.
- Make sure the power adapter is securely plugged into an outlet not controlled by a wall switch.

Appendix

Troubleshooting

- Make sure the telephone line cord is plugged firmly into the telephone base and the telephone wall jack.
- Unplug the electrical power to the telephone base. Wait for approximately 15 seconds, then plug it back in. Allow up to one minute for the cordless handset and telephone base to synchronize.
- Charge the battery in the handset for up to 16 hours.
- If the battery is completely depleted, it may take up to 10 minutes to charge the handset before **HANDSET X** appears on the screen (page 5).
- Remove and install the battery again. If that still does not work, it might be necessary to purchase a new battery.
- Disconnect the telephone base from the telephone wall jack and plug in a working telephone. If the other telephone does not work, the problem is probably in the wiring or telephone service. Call the telephone service provider.

Low battery shows on screen.

- Place the handset in the telephone base or charger for recharging.
- Remove and install the battery again and use it until fully depleted, then recharge the handset in the telephone base or charger for up to 16 hours.
- If the above measures do not correct the problem, replace the battery.

The battery does not charge in the handset or the handset battery does not accept charge.

- Make sure the handset is placed in the telephone base or charger correctly. The **CHARGE** light on the handset should be on.
- Remove and install the battery again, then charge for up to 16 hours.
- If the handset is in the telephone base or charger but the **CHARGE** light on the handset is not on, refer to **The CHARGE light is off** in this section.
- If the battery is completely depleted, it may take up to 10 minutes to charge the handset before **HANDSET X** appears on the screen (page 5).
- Purchase a new battery. Refer to the **Battery** section (page 92).

The CHARGE light is off.

- Clean the charging contacts on the handset and telephone base each month with a pencil eraser or a dry non-abrasive fabric.
- Make sure the power adapter and telephone line cord are plugged in correctly and securely.
- Unplug the power adapter. Wait for 15 seconds before plugging it back in. Allow up to one minute for the handset and telephone base to reset.

Appendix

Troubleshooting

There is no dial tone.

- First, try all the above suggestions.
- Move the handset closer to the telephone base. It may be out of range.
- The telephone line cord might be malfunctioning. Install a new telephone line cord.
- Disconnect the telephone base from the telephone wall jack and connect a different telephone. If there is no dial tone on this telephone either, the problem is in your wiring or telephone service. Contact your telephone service provider.

The telephone does not ring when there is an incoming call.

- Make sure the handset ringer volume is not set to off (page 29) and the telephone base ringer volume is not set to off (page 79).
- Make sure the telephone line cord and power adapter are plugged in properly (page 3).
- The handset may be too far from the telephone base. Move it closer to the telephone base.
- There may be too many extension phones on the telephone line to allow all of them to ring simultaneously. Unplug some of them.
- If the other telephones in your home are having the same problem, the problem is in the wiring or telephone service. Contact your telephone service provider (charges may apply).
- Other electronic products such as HAM radios and other DECT phones can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.
- Test a working telephone at the telephone wall jack. If another telephone has the same problem, the problem is in the telephone wall jack. Contact your telephone service provider (charges may apply).
- The telephone line cord may be malfunctioning. Install a new telephone line cord.
- Remove and install the battery again and then place the handset in the telephone base or charger.
- Wait for the handset to synchronize with the telephone base. Allow up to one minute for this to take place.

I cannot dial out.

- First, try all the above suggestions.
- Make sure there is a dial tone before dialing. It is normal if the handset takes a second or two to synchronize with the telephone before producing a dial tone. Wait an extra second before dialing.
- If the other telephones in your home are having the same problem, the problem is in the wiring or telephone service. Contact your telephone service provider (charges may apply).
- Eliminate any background noise. Mute the cordless handset before dialing, or dial from another room in your home with less background noise.

Appendix

Troubleshooting

My handset beeps and is not performing normally.

- Make sure the power cord is securely plugged into the telephone base. Plug the telephone base into a different working electrical outlet not controlled by a wall switch.
- Move the handset closer to the telephone base. It may be out of range.
- Reset the telephone base by unplugging the electrical power to the base. Wait for 15 seconds and plug it back in again. Allow up to one minute for the cordless handset and the telephone base to synchronize.
- Other electronic products such as HAM radios and other DECT phones can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.

There is interference during a telephone conversation.

My calls fade out when I am using the cordless handset.

- The handset may be out of range. Move it closer to the telephone base.
- If you subscribe to high-speed Internet service (DSL - digital subscriber line) through your telephone line, you must install a DSL filter between the telephone line cord and the telephone wall jack. The filter prevents noise and caller ID problems caused by DSL interference. Please contact your DSL service provider for more information about DSL filters.
- Appliances or other cordless telephones plugged into the same circuit as the telephone base can cause interference. Try moving the appliance or telephone base to another outlet.
- Other electronic products such as HAM radios and other DECT phones can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.
- If your telephone is plugged in with a modem or a surge protector, plug the telephone (or modem/surge protector) into a different location. If this doesn't solve the problem, relocate your telephone or modem farther apart from each other, or use a different surge protector.
- The location of your telephone base can impact the performance of your cordless phone. For better reception, install the telephone base in a centralized location within your home or office, away from walls or other obstructions. In many environments, elevating the telephone base improves overall performance.
- Disconnect the telephone base from the telephone wall jack and plug in a corded telephone. If calls are still not clear, the problem is probably in the wiring or telephone service. Contact your telephone service provider (charges may apply).
- If the other telephones in your home are having the same problem, the problem is in the wiring or telephone service. Contact your telephone service provider (charges may apply).

I hear other calls when using the telephone.

- Disconnect the telephone base from the telephone wall jack. Plug in a different telephone. If you still hear other calls, the problem is probably in the wiring or telephone service. Call your telephone service provider.

Appendix

Troubleshooting

I hear noise on the cordless handset and the keys do not work.

- Make sure the telephone line cord is plugged in securely.

Registration failed appears on the handset.

- Only one handset can be registered at a time. If you have multiple handsets to register, please follow the instructions on page 93 for the first handset. Once a handset has been successfully registered, repeat the steps for each handset that needs to be registered.
- Make sure that the telephone base and handset(s) are in idle mode when registering a handset.
- Follow the steps on page 104 for the common cure for electronic equipment, then try again to register a handset.

My DECT headset cannot register to the telephone base.

- Make sure your DECT headset base is connected to the telephone base correctly. For more information, refer to your user's manual of your DECT headset.
- Make sure your DECT headset charged and turned on before registering.

My caller ID features are not working properly.

- Caller ID is a subscription service. You must subscribe to this service from your telephone service provider for this feature to work on your telephone.
- The caller may not be calling from an area which supports caller ID.
- Both your and the caller's telephone service providers must use equipment compatible with the caller ID service.
- The caller ID information shows after the first or second ring.
- If you subscribe to high-speed Internet service (DSL - digital subscriber line) through your telephone line, you must install a DSL filter between the telephone line cord and the telephone wall jack. The filter prevents noise and caller ID problems caused by DSL interference. Contact your DSL service provider for more information about DSL filters.

The telephone does not receive caller ID or the telephone does not show caller ID during call waiting.

- Make sure you subscribe to caller ID with call waiting features provided by your telephone service provider.
- The caller may not be calling from an area which supports caller ID.
- Both your and the caller's telephone service providers must use equipment compatible with caller ID service.
- If you subscribe to high-speed Internet service (DSL - digital subscriber line) through your telephone line, you must install a DSL filter between the telephone line cord and the telephone wall jack. The filter prevents noise and caller ID problems caused by DSL interference. Contact your DSL service provider for more information about DSL filters.

Appendix

Troubleshooting

Caller ID entries do not match the numbers I need to dial.

- Caller ID service delivers 10 digits (the area code plus the seven-digits number). If you need to dial something other 10 digits, see page 68 for instructions on changing the number.
- If you dial seven digits for local calls, you may want to use the **Home area code** feature (page 37).

Out of range OR No power at base shows in the handset screen.

- The handset may be out of range. Move it closer to the telephone base.
- Make sure the power cord is securely plugged into the telephone base. Use a working electrical outlet not controlled by a wall switch.
- Reset your telephone by unplugging the power adapter from the telephone base. Disconnect the battery from the cordless handset. Wait for 15 seconds, then plug in the power adapter and reinstall the battery. Place the handset in the telephone base and allow up to one minute for the handset and telephone base to synchronize.
- Other electronic products such as HAM radios and other DECT phones can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.

and New voicemail appear on the handsets and I don't know why.

- Your telephone has voicemail indication that is separate from the built-in answering system. If  and **New voicemail** appear on the handsets, your telephone has received a signal from your telephone service provider that you have a voicemail message waiting for you to retrieve from your telephone service provider. Contact your telephone service provider for more information on how to access your voicemail.

I cannot retrieve my voicemail messages.

- Your telephone has both a built-in answering system and voicemail indication. They are independent features and each alerts you to new messages differently (page 77). If you subscribe to voicemail service from your telephone service provider, contact your telephone service provider for more information on how to access your voicemail.

The answering system does not answer after the correct number of rings.

- Make sure the answering system is on. When the answering system is on, **ANS ON** should be shown on the handset and  **ANS ON/OFF** light on the telephone base should be on.
- If toll saver is selected, the number of rings changes to two when there are new messages waiting (page 74).
- If the memory is full or if the answering system is off, the answering system answers after 10 rings.

Appendix

Troubleshooting

- In some cases, the answering system is affected by the ringing system used by the telephone service provider.
- If you subscribe to voicemail service, change the number of rings so that your answering system answers before your voicemail answers (page 74). To determine how many rings activate your voicemail, contact your telephone service provider.
- If there is a fax machine connected to the same telephone line, try disconnecting the fax machine. If that solves the problem, consult your fax machine documentation for information on compatibility with answering systems.

The outgoing announcement is not clear.

- When recording the announcement, make sure you speak in a normal tone of voice towards the microphone of the handset.
- Make sure there is no background noise when recording.

The messages on the answering system are very difficult to hear.

- Press ▲/VOL on the side of telephone base or ▲/VOL on the handset to increase the speaker volume.

The answering system does not record messages.

- Make sure the answering system is on.
- When the answering machine memory is full, it does not record new messages until some old messages are deleted.
- If you subscribe to voicemail service, change the number of rings so that your answering system answers before your voicemail answers (page 74). To determine how many rings activate your voicemail, contact your telephone service provider.
- If there is a fax machine connected to the same telephone line, try disconnecting the fax machine. If that solves the problem, consult your fax machine documentation for information on compatibility with answering systems.

The messages on the answering system are incomplete.

- If a caller leaves a very long message, part of it may be lost when the answering system disconnects the call after four minutes.
- If the memory on the answering system becomes full during a message, the answering system stops recording and disconnects the call.
- If the caller's voice is very soft, the answering system may stop recording and disconnect the call.

Appendix

Troubleshooting

The answering system does not respond to remote commands.

- Make sure your remote access code is correct (page 75).
- Make sure you are calling from a touch-tone telephone. When dialing a number, there should be tones. If there are clicks, then it is not a touch-tone telephone and cannot activate the answering system.
- The answering system may not detect the remote access code when your announcement is playing. Wait until the announcement is over before entering the code.
- There may be interference on the telephone line you are using. Press the dial pad keys firmly when dialing.

I subscribe to a nontraditional telephone service that uses my computer to establish connections, and my telephone doesn't work.

- Make sure your computer is powered on.
- Make sure your Internet connection is working properly.
- Make sure that the software is installed and running for your nontraditional telephone service.
- Make sure to plug your USB telephone adapter into a dedicated USB port on your computer. Do not plug into a multiple port USB hub (USB splitter) that is not powered.
- In a few rare instances, the USB port on your computer may not have enough power. In these instances, try using a USB hub with its own external power supply.
- If you are using a firewall, it may prevent access to your nontraditional telephone service. Contact your service provider for more information.

Common cure for electronic equipment.

- If the telephone is not responding normally, put the cordless handset in the telephone base. If it does not respond, try the following (in the order listed):
- Disconnect the power to the telephone base.
- Disconnect the battery on the cordless handset.
- Wait a few minutes before connecting power to the telephone base.
- Install the battery again and place the cordless handset in the telephone base.
- Wait for the cordless handset to synchronize with the telephone base. Allow up to one minute for this to take place.

Appendix

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 dry non-abrasive cloth for cleaning.
4. Do not use this product near water.
5. Do not place this product on an unstable table, shelf, stand or other unstable surfaces.
6. Slots and openings in the back or bottom of the telephone base 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 or office, 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 be walked on.
9. Never push objects of any kind into this product through the slots in the telephone base or handset because they may touch dangerous voltage points or create a short circuit. 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 telephone 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.
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 onto 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 operation instructions. 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 telephone base and/or handset has been damaged.
 - 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. Under certain circumstances, a spark may be created when the adapter is plugged into the power outlet, or when the handset is replaced in its cradle. This is a common event associated with the closing of any electrical circuit. The user should not plug the phone into a power outlet, and should not put a charged handset into the cradle, if the phone is located in an environment containing concentrations of flammable or flame-supporting gases, unless there is adequate ventilation. A spark in such an environment could create a fire or explosion. Such environments might include: medical use of oxygen without adequate ventilation; industrial gases (cleaning solvents; gasoline vapors; etc.); a leak of natural gas; etc.
15. Only put the handset of your telephone next to your ear when it is in normal talk mode.
16. The power adapters are intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling or an under-the-table/cabinet outlet.

SAVE THESE INSTRUCTIONS

Appendix

Precautions for users of implanted cardiac pacemakers

Cardiac pacemakers (applies only to digital cordless telephones):

Wireless Technology Research, LLC (WTR), an independent research entity, led a multidisciplinary evaluation of the interference between portable wireless telephones and implanted cardiac pacemakers. Supported by the U.S. Food and Drug Administration, WTR recommends to physicians that:

Pacemaker patients:

- Should keep wireless telephones at least six inches from the pacemaker.
- Should NOT place wireless telephones directly over the pacemaker, such as in a breast pocket, when it is turned ON.
- Should use the wireless telephone at the ear opposite the pacemaker.

WTR's evaluation did not identify any risk to bystanders with pacemakers from other persons using wireless telephones.

Operating range

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

When the handset is out of range, the handset displays **Out of range OR No power at base.**

If there is a call while the handset is out of range, it might not ring, or if it does ring, the call might not connect well when you press /HOME/FLASH. Move closer to the telephone base, then press /HOME/FLASH to answer the call.

If the handset moves out of range during a telephone conversation, there might be interference.

To improve reception, move closer to the telephone base.

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 the telephone base near a sink, bathtub or shower.

Electrical storms

Electrical storms can sometimes cause power surges harmful to electronic equipment. For your own safety, take caution when using electrical 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 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 the water. If the telephone base should fall into the water, DO NOT RETRIEVE IT UNTIL YOU UNPLUG THE POWER CORD AND TELEPHONE LINE CORD FROM THE WALL. Then remove the telephone by the unplugged cords.

Appendix

About cordless telephones

- **Privacy:** The same features that make a cordless telephone convenient create some limitations. Telephone calls are transmitted between the telephone base and the cordless handset by radio waves, so there is a possibility that the cordless telephone conversations could be intercepted by radio receiving equipment within range of the cordless handset. For this reason, you should not think of cordless telephone conversations as being as private as those on corded telephones.
- **Electrical power:** The telephone base of this cordless telephone must be connected to a working electrical outlet. The electrical outlet should not be controlled by a wall switch. Calls cannot be made from the cordless handset if the telephone base is unplugged, switched off, or if the electrical power is interrupted.
- **Potential TV interference:** Some cordless telephones operate at frequencies that may cause interference to televisions and VCRs. To minimize or prevent such interference, do not place the telephone base of the cordless telephone near or on top of a TV or VCR. If interference is experienced, moving the cordless telephone farther away from the TV or VCR often reduces or eliminates the interference.
- **Rechargeable batteries:** Exercise care in handling batteries in order not to create a short circuit with conducting material such as rings, bracelets, and keys. The battery or conductor may overheat and cause harm. Observe proper polarity between the battery and the battery charger.
- **Nickel-metal hydride rechargeable batteries:** Dispose of these batteries in a safe manner. Do not burn or puncture the battery. Like other batteries of this type, if burned or punctured, they could release caustic material which could cause injury.

The RBRC® seal

The RBRC® seal on the nickel-metal hydride 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-metal hydride 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 spent 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-MH 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.



Appendix

Warranty

What does this limited warranty cover?

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

What will VTech do if the Product is not free from 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 the Product, we may use new or refurbished replacement parts. If we choose to replace the Product, we may replace it with a new or refurbished Product of the same or similar design. We will retain defective parts, modules, or equipment. Repair or replacement of the Product, at VTech's option, is your exclusive remedy. VTech will return the repaired or replacement Products to you in working condition. 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 VTech repairs or replaces a Materially Defective Product under the terms of this limited warranty, this limited warranty also applies to repaired or replacement Product 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 accessories; or
5. Product whose warranty/quality stickers, product serial number 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 of America or Canada, or used for commercial or institutional purposes (including but not limited to Products used for rental purposes); or
7. Product returned without a valid proof of purchase (see item 2 below); or
8. Charges for installation or set up, adjustment of customer controls, and installation or repair of systems outside the unit.

Appendix

Limited warranty

How do you get warranty service?

To obtain warranty service in the United States of America, please visit our website at www.vtechphones.com or call 1 (800) 595-9511. In Canada, go to www.vtechcanada.com or dial 1 (800) 267-7377. NOTE: Before calling for service, please review the user's manual - a check of the Product's 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 the Product(s) to the service location. VTech will return repaired or replaced Product under this limited warranty. Transportation, delivery or handling charges are 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; and
2. Include a "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 limited 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 limited 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/Provincial Law Rights: This limited warranty gives you specific legal rights, and you may also have other rights, which vary from state to state or province to province.

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 the date of purchase. Some states/provinces 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/provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Please retain your original sales receipt as proof of purchase.

Appendix

FCC, ACTA and IC regulations

FCC Part 15

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

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

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

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Privacy of communications may not be ensured when using this telephone.

To ensure safety of users, the FCC has established criteria for the amount of radio frequency energy that can be safely absorbed by a user or bystander according to the intended usage of the product. This product has been tested and found to comply with the FCC criteria. The handset may be safely held against the ear of the user. The telephone base shall be installed and used such that parts of the user's body other than the hands are maintained at a distance of approximately 20 cm (8 inches) or more.

This Class B digital apparatus complies with Canadian ICES-003.

FCC Part 68 and ACTA

This equipment complies with Part 68 of the FCC rules and with technical requirements adopted by the Administrative Council for Terminal Attachments (ACTA). The label on the back or bottom of this equipment contains, among other things, a product identifier in the format US:AAAEQ##TXXXX. This identifier must be provided to your telephone service provider upon request.

The plug and jack used to connect this equipment to premises wiring and the telephone network must comply with 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 the user's manual.

The Ringer Equivalence Number (REN) is used to determine how many devices you may connect to your telephone line and still have them ring when you are called. The REN for this product is encoded as the 6th and 7th characters following the US: in the product identifier (e.g., if ## is 03, the REN is 0.3). In most, but not all areas, the sum of all RENs should be five (5.0) or less. For more information, please contact your telephone service provider.

This equipment may not be used 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 service provider or a qualified installer.

Appendix

FCC, ACTA and IC regulations

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.

If this equipment is causing harm to the telephone network, the telephone service provider may temporarily discontinue your telephone service. The telephone service provider 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 service provider is required to inform you of your right to file a complaint with the FCC. Your telephone service provider may make changes in its facilities, equipment, operation, or procedures that could affect the proper functioning of this product. The telephone service provider is required to notify you if such changes are planned.

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

If this product has memory dialing locations, you may choose to store emergency telephone numbers (e.g., police, fire, medical) in these locations. If you do store or test emergency numbers, please:

Remain on the line and briefly explain the reason for the call before hanging up.

Perform such activities in off-peak hours, such as early morning or late evening.

Industry Canada

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation.

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

The Ringer Equivalence Number (REN) for this terminal equipment is 0.1. The REN is an indication of the maximum number of devices 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 RENs of all the devices does not exceed five.

This product meets the applicable Industry Canada technical specifications.

Appendix

Technical specifications

Frequency control	Crystal controlled PLL synthesizer
Transmit frequency	Handset: 1921.536-1928.448 MHz Telephone base: 1921.536-1928.448 MHz
Channels	5
Nominal effective range	Maximum power allowed by FCC and IC. Actual operating range might vary according to environmental conditions at the time of use.
Power requirements	Handset: 2.4V Ni-MH battery Telephone base: 6V DC @ 400mA Charger: 6V AC @300mA
Memory	Handset directory: 200 memory locations; up to 30 digits and 15 characters Four download directories: 1,500 memory locations (each); up to 30 digits and 15 characters Handset caller ID log: 50 memory locations; up to 24 digits and 15 characters

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