

# Congratulations

on purchasing your new VTech product.  
Before using this telephone, please read the  
**Important safety instructions**  
on page 86 of this manual.

This manual has all the feature operations and troubleshooting necessary to install and operate your new VTech telephone. Please review this manual thoroughly to ensure proper installation and operation of this innovative and feature rich VTech product. For support, shopping, and everything new at VTech, visit our website at [www.vtechphones.com](http://www.vtechphones.com). In Canada, please visit [www.vtechcanada.com](http://www.vtechcanada.com).

The BLUETOOTH® word mark and logos are owned by Bluetooth SIG, Inc. and any use of such marks by VTech Holdings Limited is under license. VTech Holdings Limited is a member of Bluetooth SIG, Inc. Other trademarks and trade names are those of their respective owners.

# Table of contents

<b>Getting started</b> . . . . .	<b>1</b>	Delete all paired devices . . . . .	25
Parts checklist . . . . .	1	View device information . . . . .	25
Installation setup . . . . .	2	Active devices . . . . .	26
Battery installation and charging . . . . .	3	Replace an active device . . . . .	27
Spare battery (optional) . . . . .	4	Remove an active device . . . . .	28
Telephone base installation . . . . .	5	Add an active device . . . . .	28
Expand your telephone system . . . . .	6	Change the PIN (of the telephone base) . . . . .	29
Add new handsets (optional) . . . . .	7	<b>Handset settings</b> . . . . .	<b>30</b>
Handset layout . . . . .	8	Introduce handset settings . . . . .	30
Telephone base layout . . . . .	9	Edit handset name . . . . .	31
Handset status icons . . . . .	10	Show handset name . . . . .	31
Telephone base status icons . . . . .	11	Keypad tone . . . . .	32
Handset main menu . . . . .	12	Language . . . . .	32
Telephone base main menu . . . . .	14	LCD contrast . . . . .	33
<b>Bluetooth</b> . . . . .	<b>16</b>	Clear voice mail . . . . .	33
Introducing Bluetooth . . . . .	16	Default settings (restore settings) . . . . .	34
Glossary of Bluetooth terms . . . . .	17	Delete registration . . . . .	34
Bluetooth at a glance . . . . .	18	Handset ringers . . . . .	35
Bluetooth setup . . . . .	19	Ringer volume . . . . .	36
Set up cellular . . . . .	20	Ringer melody . . . . .	37
Set up headset . . . . .	21	Select a ringer melody . . . . .	37
Manage your devices . . . . .	23	Delete a ringer melody . . . . .	37
Paired devices . . . . .	23	Record a new ringer . . . . .	38
Rename a paired device . . . . .	23	Handset pictures . . . . .	39
Delete a paired device . . . . .	24	Handset animations . . . . .	40

# Table of contents

<b>Telephone base settings</b> . . . . .	<b>41</b>	Hold . . . . .	60
Introduce telephone base settings . . . . .	41	Receive a CELL call while on a HOME call . . . . .	61
Set date . . . . .	42	Receive a HOME call while on a CELL call . . . . .	61
Set time . . . . .	42	Conference HOME and CELL calls . . . . .	62
Keypad tone . . . . .	43	Call waiting while on a conference call. . . . .	63
Language . . . . .	43	Intercom . . . . .	63
LCD contrast . . . . .	44	Voice mail. . . . .	65
Clear voice mail. . . . .	45	Phone book. . . . .	66
Voice mail codes . . . . .	45	Create a new phone book entry . . . . .	67
Default settings (restore settings) . . . . .	47	Search for phone book entries . . . . .	70
Delete handsets . . . . .	48	Dial a phone book entry . . . . .	71
Telephone base ringers . . . . .	49	Edit a phone book entry . . . . .	72
Ringer volume . . . . .	50	Delete phone book entries . . . . .	73
Ringer melody . . . . .	51	Information about caller ID with call waiting . . . . .	74
<b>Telephone operation</b> . . . . .	<b>52</b>	Call log . . . . .	75
Telephone operation . . . . .	52	Call log information . . . . .	76
Make a HOME call . . . . .	53	Memory match . . . . .	76
Receive a HOME call. . . . .	55	Review the call log . . . . .	77
Call waiting on the HOME line . . . . .	56	Dial a call log entry . . . . .	78
Make a CELL call . . . . .	57	Dial options . . . . .	78
Receive a CELL call . . . . .	58	Save call log entries into the phone book . . . . .	79
Call waiting on the CELL line. . . . .	58	Delete call log entries. . . . .	79
Adjust the listening volume . . . . .	59	Clear missed calls . . . . .	80
Silence the ringers . . . . .	59	Redial list . . . . .	81
Mute . . . . .	60	Dial a redial entry. . . . .	82

## Table of contents

Edit a redial entry . . . . .	82
Save redial entries into the phone book . . . . .	83
Delete redial entries . . . . .	84
<b>Battery . . . . .</b>	<b>85</b>
<b>Important safety instructions . . . . .</b>	<b>86</b>
<b>Troubleshooting. . . . .</b>	<b>87</b>
<b>Operating range. . . . .</b>	<b>99</b>
<b>Maintenance. . . . .</b>	<b>99</b>
<b>About cordless telephones . . . . .</b>	<b>.100</b>
<b>Warranty . . . . .</b>	<b>.100</b>
<b>FCC, ACTA and IC regulations. . . . .</b>	<b>.102</b>
<b>The RBRC® seal . . . . .</b>	<b>.103</b>
<b>Technical specifications . . . . .</b>	<b>.104</b>
<b>Index . . . . .</b>	<b>.105</b>

# Getting started

## Parts checklist

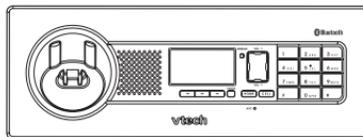
Your telephone contains the following items. Save your sales receipt and original packaging in the event warranty service is necessary.



1. Quick start guide



2. Handset



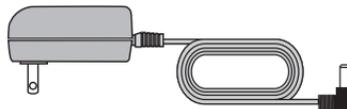
3. Telephone base



4. Battery



5. Telephone line cord



6. Telephone base power adapter



7. User's manual

### note

- To purchase a replacement battery or telephone base power adapter, visit our website at [www.vtechphones.com](http://www.vtechphones.com) or call 1 (800) 595-9511. In Canada, go to [www.vtechcanada.com](http://www.vtechcanada.com) or call 1 (800) 267-7377.

## Getting started

### Installation setup

Install the telephone base close to a telephone jack and a power outlet not connected to a wall switch. For optimum range and better reception, place the telephone base in a central and open location.

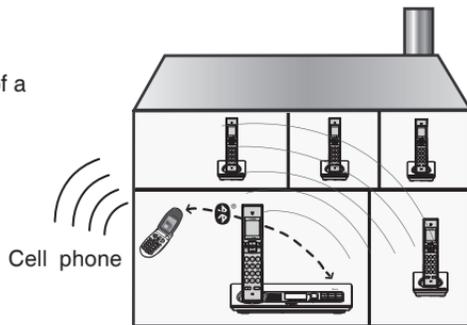
Depending on the environmental conditions, make sure that your Bluetooth enabled cellular phone is within 12 feet of where you install the telephone base in order to maintain a reliable connection between your Bluetooth cell phone, the telephone base, and a cell tower (see below).

### Avoid placing the telephone base too close to:

- Communication devices such as: personal computers, computer routers, television sets, VCRs, wireless routers (wireless broadband, Wi-Fi, or 802.11) or other cordless telephones.
- Excessive heat sources.
- Noise sources such as a window with traffic outside, motors, microwave ovens, refrigerators, or fluorescent lighting.
- Excessive dust sources such as a workshop or garage.
- Excessive moisture.
- Extremely low temperature.
- Mechanical vibration or shock such as on top of a washing machine or work bench.



Cell tower



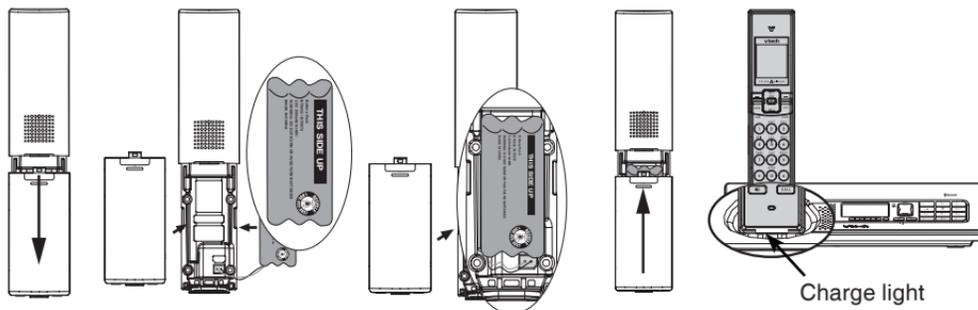
Telephone base

## Getting started

### Battery installation and charging

Install the battery as shown below. After installing the battery, you can make and receive short calls, but replace the handset in the telephone base when not in use. For optimal performance, charge the handset battery for at least 16 hours before use. When fully charged, the handset battery provides approximately four and a half hours of talk time and three days of standby time.

1. Press the tab and slide the battery compartment cover downwards.
2. Insert the plug as indicated. Make sure it is plugged securely and matches the color-coded label inside the battery compartment.
3. Place the battery with the label **THIS SIDE UP** facing up and the wires inside the battery compartment.
4. Align the cover flat against the battery compartment, then slide it upwards until it clicks into place.
5. Charge the handset by placing it in the telephone base. The handset charge light will be on when charging.



[www.vtechphones.com](http://www.vtechphones.com)

### note

- Use only the battery supplied with this product or equivalent. To order a replacement, visit our website at [www.vtechphones.com](http://www.vtechphones.com) or call 1 (800) 595-9511. In Canada, go to [www.vtechcanada.com](http://www.vtechcanada.com) or call 1 (800) 267-7377.

## note

- Use only the supplied rechargeable battery or compatible replacement (purchased separately). To order a replacement, visit our website at [www.vtechphones.com](http://www.vtechphones.com) or call 1 (800) 595-9511. In Canada, go to [www.vtechcanada.com](http://www.vtechcanada.com) or call 1 (800) 267-7377.

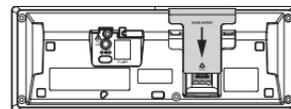
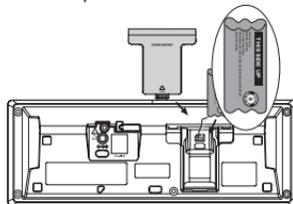
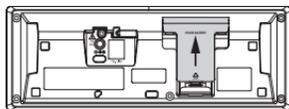
## Getting started

### Spare battery (optional)

You can keep a charged spare battery (purchased separately) in the telephone base. The spare battery compartment is located at the bottom of the telephone base. The charged spare battery allows you to quickly replace a depleted handset battery, or in the event of a power failure, make and receive short calls for up to three hours.

To install and charge a spare battery:

1. Press the tab and slide the battery compartment cover out of the telephone base to open.
2. Insert the plug securely matching the color-coded label inside the compartment. Place the battery with the label **THIS SIDE UP** facing up and the wires inside the compartment.
3. Position the battery compartment cover and slide it towards the center of the telephone base until it clicks into place.

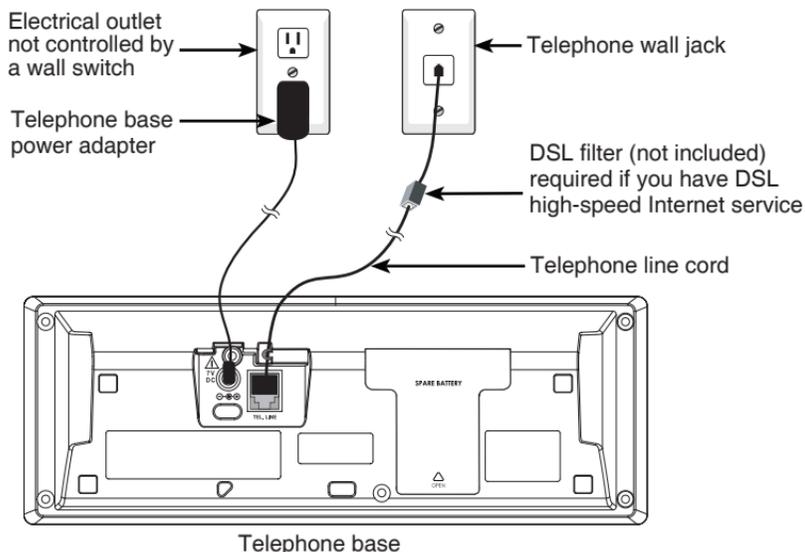


When you have finished installing the spare battery, the battery charging icon will appear in the top right corner of the telephone base display. It may take up to 24 hours for the spare battery to reach a full charge. Once the spare battery is fully charged, you can keep it charged until needed.

## Getting started

### Telephone base installation

Install the telephone base as shown below. The telephone base is designed for desk or tabletop use only. Make sure that the electrical outlet is not controlled by a wall switch. If you subscribe to Digital Subscriber Line (DSL) high-speed Internet service through your telephone line, you must install a DSL filter between the telephone base 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.



### note

- Use only the power adapter supplied with this product. To order a replacement power adapter, visit our website at [www.vtechphones.com](http://www.vtechphones.com) or call 1 (800) 595-9511. In Canada, go to [www.vtechcanada.com](http://www.vtechcanada.com) or call 1 (800) 267-7377.
- The telephone base power adapter is intended to be correctly oriented in a vertical or floor mount position.

## Getting started

### Expand your telephone system

Your **LS5146** telephone system can accommodate up to 12 cordless handsets. You can add new handsets to your telephone system (**LS5105**, purchased separately), but each handset must be registered with the telephone base before use. To register new handsets to your telephone system, see page 7.



The **LS5146** telephone system comes with one registered handset.



Up to 12 handsets (**LS5105**, purchased separately) can be registered to your telephone system.

The handset provided is pre-registered as **HANDSET 1**. Additional handsets registered to the telephone system will be assigned in sequential order. For instance, if the telephone system already has **HANDSET 1** and you wish to register another handset, the new handset will become **HANDSET 2**.

In normal operating conditions, up to four handsets can be used at the same time. For example, two handsets can be on a **HOME** call and two handsets can be on a **CELL** call. However, while an active handset is experiencing interference or losing signal due to range issues, you may not be able to use the maximum of four handsets.

## Getting started

### Add new handsets (optional)

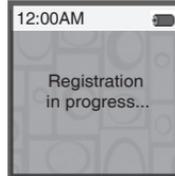
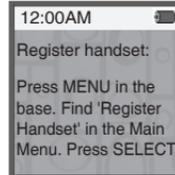
Your telephone can accommodate up to 12 handsets (**LS5105**, purchased separately). Before using a newly purchased handset (**LS5105**), it must be registered with the telephone base.

Before registering an additional handset, make sure that the handset battery is installed and charged.

To register a new handset:

1. Place the unregistered handset in the telephone base.
2. Press the **MENU** softkey on the telephone base while in idle mode.
3. Press the **UP** and **DOWN** NavKeys to highlight **Register Handset**, then press the **SELECT** softkey.
  - **Registering Handset** will appear on the telephone base display, then
  - **Registration in progress...** will appear on the handset display.
  - The registration process may take up to 90 seconds to complete.

When the registration process is complete, the telephone base and handset will generate a confirmation tone. The newly registered handset will be assigned the next handset registration number. For instance, if you already have one registered handset, **HANDSET 1**, the next registered handset will be **HANDSET 2**.



### note

- You must follow the registration process for each handset you wish to register to the telephone base.

# Getting started

## Handset layout

### Softkeys (2)

Press to select a menu item displayed just above the key.

### HOME/FLASH

Press to make or answer a home call.

Flashes rapidly when there is an incoming home call.

Flashes slowly when a home call is on hold.

During a home call, press to receive an incoming call if call waiting is activated (page 56).

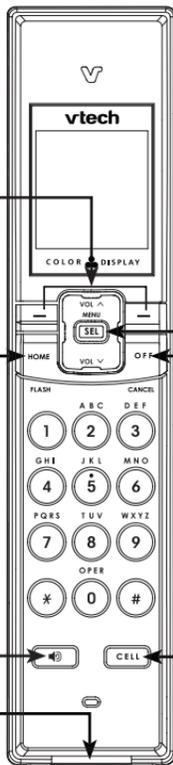
### 📞 (Speakerphone)

Press to activate the handset speakerphone. The speakerphone is on when the 📞 is lit.

Press again to resume normal handset use.

### Charge light

On when the handset is charging in the telephone base.



### MENU/SEL

Press to enter the main menu (page 12).

When in the main menu, press to select, save, or set a desired setting.

### OFF/CANCEL

During a **HOME** or **CELL** line call, press to end the call.

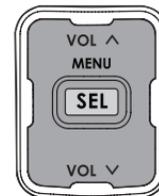
While in a menu, press to cancel an operation, back up to the previous menu, or exit the menu display.

### CELL

Press to make or answer a cell call.

Flashes rapidly when there is an incoming cell call.

Flashes slowly when a cell call is on hold.



### Navkeys

Press the **UP**, **DOWN**, **LEFT** or **RIGHT** Navkeys to navigate through the menus, highlight items, and change settings.

### Quick launch keys

When in idle mode, press one of the Navkeys to launch a handset feature:

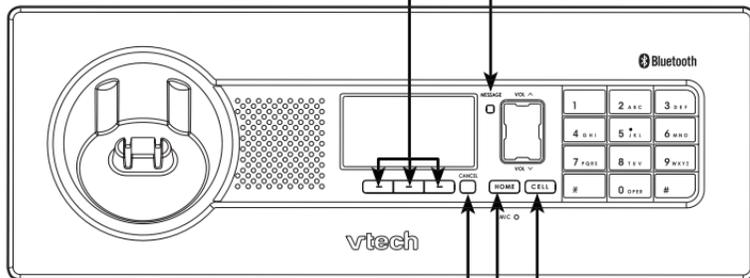
- **Volume up (UP)**
- **Volume down (DOWN)**
- **Intercom (LEFT)**
- **Voice Mail (RIGHT)**

# Getting started

## Telephone base layout

### Softkeys (3)

Press to select a menu item displayed just above the key.



### CANCEL

Press to cancel an operation and/or return to a previous menu.

Press and hold to return to the idle screen.

### HOME

Press to make or answer a home call using the speakerphone.

On steady when in use.

Flashes rapidly when there is an incoming home call.

Flashes slowly when a home call is on hold.

### MESSAGE light

Flashes when there is new voice mail

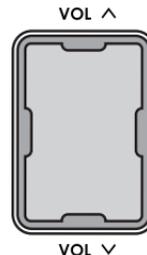
### CELL

Press to make or answer a cellular call using the speakerphone.

On steady when in use.

Flashes rapidly when there is an incoming cellular call.

Flashes slowly when a cellular call is on hold.



### Navkeys

Press the **UP**, **DOWN**, **LEFT** or **RIGHT** Navkeys to navigate through the menus, highlight items, and change settings.

### Quick launch keys

When in idle mode, press one of the Navkeys to launch a handset feature:

- **Volume up (UP)**
- **Volume down (DOWN)**
- **Intercom (LEFT)**
- **Voice Mail (RIGHT)**

# Getting started

## Handset status icons

	<b>Time</b> - indicates the handset time.
	<b>New voice mail message</b> - alternates with the time when you have a new voice mail message.
	<b>HOME line</b> - on steady when the <b>HOME</b> line is in use. Flashes slowly when a <b>HOME</b> call is on hold. Flashes rapidly when there is an incoming <b>HOME</b> call.
	<b>CELL</b> (cell phones 1 or 2) - depending on which cell phone is active, on steady when the <b>CELL</b> line is in use. Flashes slowly when a <b>CELL</b> call is on hold. Flashes rapidly when there is an incoming <b>CELL</b> call.
	<b>Bluetooth Active Devices</b> - the telephone base is searching for the Bluetooth device(s) on the <b>Active Devices</b> list (page 26).
	<b>Connected Active Devices</b> - indicates that the Bluetooth device 1 and/or 2 are connected and on the <b>Active Devices</b> list. On steady means that the device is connected. Flashes when it is in the process of connecting to the device.
	<b>Disconnected Active Devices</b> - a line through the device number (1 and/or 2) indicates the device is disconnected from the telephone base.
	<b>Wireless Bluetooth headset</b> - on steady when a Bluetooth headset is in use on the <b>HOME</b> line. Flashes when a connected Bluetooth headset is available to answer an incoming <b>HOME</b> call.
	<b>Ringer off</b> - on steady when the <b>HOME</b> , <b>CELL1</b> , and <b>CELL2</b> ringers are off. Flashes when one or two of the <b>HOME</b> , <b>CELL1</b> , or <b>CELL2</b> ringers are off.
	<b>Battery status</b> - shows the approximate battery charge level. Flashes red when the battery is low and animates when charging.

## Getting started

### Telephone base status icons

12:00AM	<b>Time</b> - indicates the telephone base time.
	<b>HOME</b> line - on steady when the <b>HOME</b> line is in use. Flashes slowly when a <b>HOME</b> call is on hold. Flashes rapidly when there is an incoming <b>HOME</b> call.
 <b>1</b>  <b>2</b>	<b>CELL</b> (cell phones 1 or 2) - depending on which cell phone is active, on steady when the <b>CELL</b> line is in use. Flashes slowly when a <b>CELL</b> call is on hold. Flashes rapidly when there is an incoming <b>CELL</b> call.
	<b>Bluetooth Active Devices</b> - the telephone base is searching for the Bluetooth device(s) on the <b>Active Devices</b> list (page 26).
	<b>Connected Active Devices</b> - indicates that the Bluetooth device 1 and/or 2 are connected and on the <b>Active Devices</b> list. On steady means that the device is connected. Flashes when it is in the process of connecting to the device.
	<b>Disconnected Active Devices</b> - a line through the device number (1 and/or 2) indicates that the device is disconnected from the telephone base.
	<b>Wireless Bluetooth headset</b> - on steady when a Bluetooth headset is in use on the <b>HOME</b> line. Flashes when a headset is available to answer an incoming <b>HOME</b> call.
	<b>Ringer off</b> - on steady when the <b>HOME</b> , <b>CELL1</b> and <b>CELL2</b> ringers are off. Flashes when one or two of the <b>HOME</b> , <b>CELL1</b> , or <b>CELL2</b> ringers are off.
	<b>Battery status</b> (optional, see page 4) - On steady when fully charged. Animates when charging. Flashes in the event of a power failure when the spare battery is discharging.

# Getting started

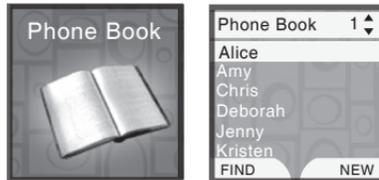
## Handset main menu

To enter the main menu:

1. Press **MENU/SEL** when the handset is in the idle mode.
2. Press the **UP** and **DOWN** NavKeys to select a handset feature menu, then press **MENU/SEL** to enter that menu.

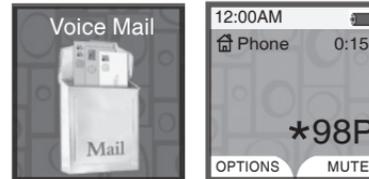
To return to the idle mode, press and hold **OFF/CANCEL**.

**Phone Book** allows you to store and search for names and numbers.



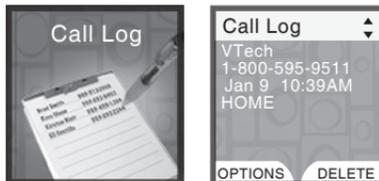
page 66

**Voice Mail** allows you to access your voice mail messages stored at your local telephone company.



page 65

**Call Log** allows you to review your most recent incoming calls.



page 75

**Intercom** allows you to page the telephone base and other handsets.



page 63

## Getting started

### Handset main menu (continued)

**Settings** allows you to change your handset settings.



page 30

**Pictures** allows you to choose the wallpaper.



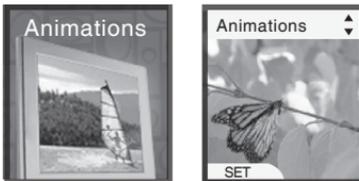
page 39

**Ringers** allows you to set up ringers for the **HOME** and **CELL** lines.



page 35

**Animations** allows you to choose the animated wallpaper.



page 40

# Getting started

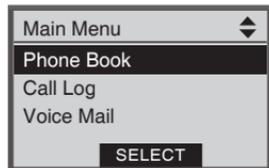
## Telephone base main menu

To enter the main menu:

1. Press the **MENU** softkey when the telephone base is in the idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight a menu item, then press the **SELECT** softkey to enter that menu.

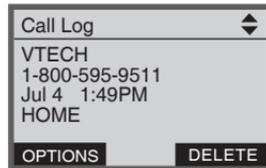
To return to the idle mode, press and hold **CANCEL**.

**Main Menu** allows you to review and setup features and settings.



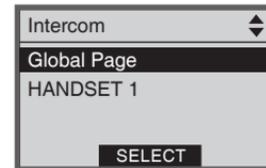
page 66

**Call Log** allows you to review your most recent incoming calls.



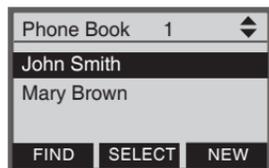
page 75

**Intercom** allows you to page all handsets or a specific handset.



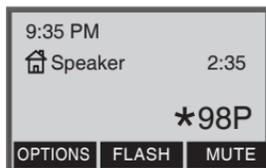
page 63

**Phone Book** allows you to store and search for names and numbers.



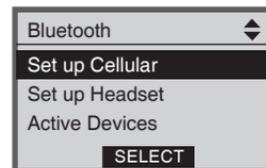
page 66

**Voice Mail** allows you to access your voice mail messages stored at your telephone company.



page 65

**Bluetooth** allows you to set up and manage your Bluetooth device(s).

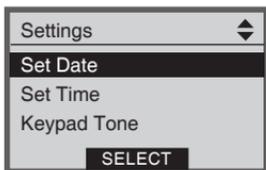


page 19

## Getting started

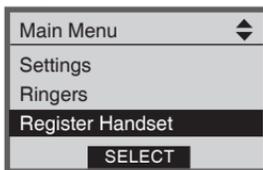
### Telephone base main menu (continued)

**Settings** allow you to change the telephone base settings.



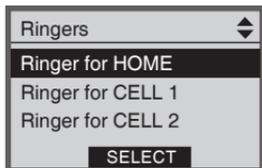
page 41

**Register Handset** allows you to register a new handset (**LS5105**, purchased separately) with the telephone base.



page 7

**Ringers** allow you to set up ringers for the **HOME** and **CELL** lines.



page 49

# Bluetooth

## Introducing Bluetooth

Your new **LS5146** telephone system with Bluetooth wireless technology has the following features:

- Pair up to eight Bluetooth enabled cell phones and/or headsets with the telephone base.
- Connect a maximum of two cell phones to make and receive **CELL** calls. Only one cell phone can be active on a call at a time.
- Connect a Bluetooth enabled headset for making and receiving **HOME** calls.
- Conference **CELL** and **HOME** calls.
- Make and receive calls using your cell phone plan while utilizing the ease and comfort of your home telephone system.

## IMPORTANT INFORMATION

- Refer to the user's manual of your cell phone or headset for more information about its Bluetooth function.
- Operate your Bluetooth device within 12 feet from the telephone base. Bluetooth technology operates best within a short range. Keeping within 12 feet will maintain the connection quality of the Bluetooth device with the telephone base.
- Make sure that your cell phone has sufficient signal strength. You may need to move the cell phone and telephone base to a location where the cell phone signal strength may be stronger.
- Charge your Bluetooth cell phone while it is connected to the telephone base. Your cell phone's battery will discharge faster while it is connected wirelessly to the telephone base.
- Monitor your cell phone's usage because airtime is deducted from your cellular plan for the duration of the **CELL** calls.

Refer to the **Bluetooth setup** section (page 19) to learn how to set up and manage your Bluetooth device(s). Refer to the **Telephone operation** section (page 52) on how to operate your Bluetooth devices with your new **LS5146** telephone system with Bluetooth wireless technology. Refer to the **Troubleshooting** section (page 87) if you experience difficulty using the telephone system.

# Bluetooth

## Glossary of Bluetooth terms

Below are some terms used in this user's manual to help you become familiar with using your Bluetooth devices and your new **LS5146** telephone system.

**Active Devices list** - A maximum of two paired devices (two cell phones or one cell phone and one headset) on the **Active Devices** list can be connected to the telephone base, but only one cell phone or headset can be on a call at a time.

**Bluetooth cell phone** - Refers to a Bluetooth enabled cell telephone.

**CELL line** - The communication service provided through your Bluetooth enabled cell telephone.

**Connected** - A Bluetooth device (cell phone or headset) can only be used when it is connected to the telephone base. When a Bluetooth device is connected to the telephone base and active on the **Active Devices** list, it will be ready for use.

**Disconnected** - An **X** in front of a device on the **Active Devices** list will appear and a diagonal line will appear across devices 1 and/or 2 in the icon status bar when the corresponding Bluetooth device is disconnected from the telephone base.

**Discoverable mode** - Before a Bluetooth device can be paired, it must be set in this mode. When pairing your cell phone, the telephone base will be set in this mode. When pairing a headset, the headset must be set in this mode. Depending on the manufacturer, this mode is sometimes referred to as **Find Me** or **Visibility**.

**HOME line** - Your conventional telephone land line.

**Paired Devices** list - Once Bluetooth devices have been paired with the telephone base, they will appear on the **Paired Devices** list. A maximum of eight devices can be paired with the telephone base, but only two can be on the Active Devices list.

## note

- Before using your Bluetooth enabled device(s) with the telephone base, make sure that your Bluetooth device(s) are not connected to any other device(s).

## Bluetooth

**Pairing** - This refers to the process of Bluetooth devices registering device information with each other. The telephone base must be paired with a Bluetooth enabled cell phone or headset before the Bluetooth device(s) can be used. Depending on the manufacturer, this is also referred to as **Bonding**.

**PIN** - By default, the PIN is **0000** for the telephone base and for most Bluetooth devices. PIN information must be exchanged between Bluetooth devices before they can be used. This is also known as a **Passkey** or **Passcode**.

### Bluetooth at a glance

The telephone base allows you to pair up to eight Bluetooth devices. You can have a maximum of two paired devices connected at anytime (two cell phones, or one cell phone and one headset), but only one cell phone or headset can be on a call at a time.

Once you have paired a device with the telephone base, the pairing information will be stored on the **Paired Devices** list (page 23). To use a paired device, it must be connected and on the **Active Devices** list (page 26).

To learn more about managing your Bluetooth device(s), see the **Managing your Devices** section (page 23). To help you set up your Bluetooth device(s), please follow the instructions in each section and refer to the **Troubleshooting** section for help (page 87).

### IMPORTANT INFORMATION

- Once you pair a device with the telephone base, you do not have to repeat the pairing procedure again, unless you delete the device from the **Paired Devices** list (page 23).
- Press **CANCEL** on the telephone base at anytime to return to a previous menu.
- When adding, removing, or replacing a Bluetooth device on the **Active Devices** list, all connected devices will temporarily disconnect until the action is complete. It may take up to two minutes to reconnect.

# Bluetooth

## Bluetooth setup

To use a Bluetooth enabled cell phone or headset with your **LS5146**, you must first pair and connect your Bluetooth device(s) with the telephone base. In the **Bluetooth Setup** section, you can setup a cell phone (page 20) and headset (page 21). In **Managing your Devices** section, you can view and modify the information about your Bluetooth device(s) (page 23).

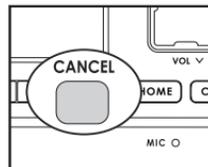
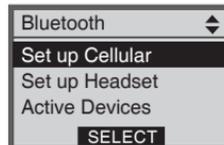
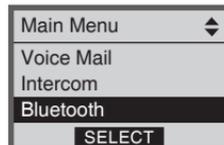
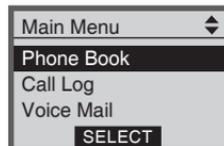
To enter the **Bluetooth** menu:

1. Press the **MENU** softkey on the telephone base while in idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey. You can then select:
  - **Set up Cellular** - Set up a Bluetooth enabled cell phone (page 20).
  - **Set up Headset** - Set up a Bluetooth enabled headset (page 21).
  - **Active Devices** - Replace, remove, view the current status of, and connect to your connected Bluetooth device(s) (page 26).
  - **Paired Devices** - Rename, delete, and view information about your paired devices (page 23).
  - **Change PIN** - Change the PIN of the telephone base (page 29).

While in the **Bluetooth** menu:

- Press **CANCEL** to return to a previous menu.
- Press and hold **CANCEL** on the telephone base to return to the idle screen.

See the **Troubleshooting** section on page 87 if you experience difficulty pairing or connecting your Bluetooth device(s).



### note

- To learn how to operate your Bluetooth devices with the telephone base, see the **Telephone operation** section (page 52).

## note

- If you have any device(s) connected to the telephone base when pairing, **Connected devices will be temporarily disconnected** will appear on the display.

## Bluetooth

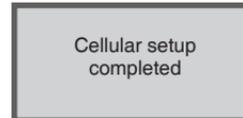
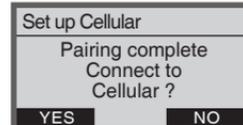
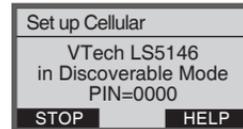
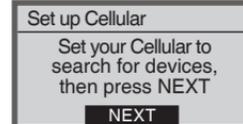
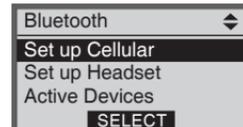
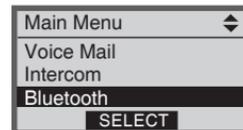
### Set up cellular

Before you begin, make sure that your Bluetooth enabled cell phone is not connected to any other Bluetooth device. Refer to your cell phone user's manual to learn how to search for or add new Bluetooth devices.

To pair and connect a cell phone:

1. Press the **MENU** softkey on the telephone base while in idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey.
3. Press the **SELECT** softkey to enter the **Set up Cellular** menu.
  - If a device is already connected to the telephone base, press the **OK** softkey to temporarily disconnect the device(s) and continue the pairing process.
4. Press the **NEXT** softkey to set the telephone base in discoverable mode.
5. Using your cell phone, turn on the Bluetooth feature and search for or add new devices.
6. Once your cell phone finds the **VTech LS5146** telephone base, select it.
7. Using your cell phone, enter the PIN of the telephone base (the default PIN is **0000**) to continue the pairing process.
8. Press the **YES** softkey on the telephone base to connect to your cell phone when the pairing process is complete.
  - If successful, **Cellular setup completed** will be displayed on the telephone base.
  - If you already have two devices on the **Active Devices** list, press the **YES** softkey to connect to your paired cell phone. You will then be prompted to replace an existing device on the **Active Devices** list (page 26).

When a device is connected, the  **1** and/or  **2** status icons will appear on the display.



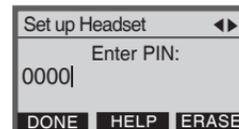
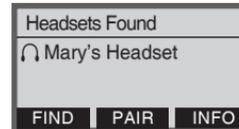
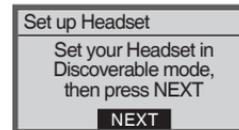
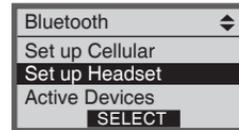
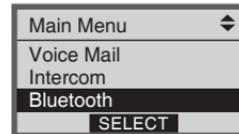
## Bluetooth

### Set up headset

Before you begin, make sure that your Bluetooth enabled headset is not connected to any other Bluetooth device. Refer to your headset user's manual to determine the headset's PIN and how to set your headset in discoverable mode.

To pair and connect a headset:

- Using the telephone base, press the **MENU** softkey while in idle mode.
- Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey to enter the **Bluetooth** menu.
- Press the **SELECT** softkey to enter the **Set up Headset** menu.
  - If a device is already connected to the telephone base, press the **OK** softkey to temporarily disconnect the device(s) and continue the pairing process.
- Using your headset, set your headset in discoverable mode.
- Using the telephone base, press the **NEXT** softkey on the telephone base to search for your headset.
- Once the telephone base finds your headset, select it and press the **PAIR** softkey. If the telephone base cannot find your headset, press the **FIND** softkey to search again, and make sure that your headset is in discoverable mode.
- Enter the PIN of your headset, then press the **DONE** softkey on the telephone base (for most headsets, the PIN is **0000**).



### note

- If you have any device(s) connected to the telephone base when pairing, **Connected devices will be temporarily disconnected** will appear on the display.

## Bluetooth

### Set up headset (continued)

8. When the pairing is complete, press the **YES** softkey to connect to your headset.
  - If successful, **Headset setup completed** will appear on the telephone base display.
  - If you already have one headset on the **Active Devices** list, press the **YES** softkey to connect to your paired headset. You will then be prompted to replace the existing headset on the **Active Devices** list (page 26).

When a device is connected, the  1 and/or  2 status icons will appear on the display.



Headset setup  
completed

# Bluetooth

## Manage your devices

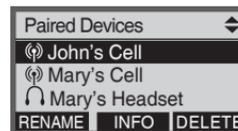
Once you have paired a Bluetooth device, you can rename, delete, and view the device's information on the **Paired Devices** list.

Once a Bluetooth device is connected to the telephone base, you can replace or remove the device from the **Active Devices** list (page 26), and view the device's status information (page 25).

## Paired devices

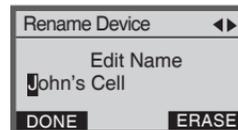
All paired devices are stored on the **Paired Devices** list. Up to eight devices (any combination of cell phones and headsets) can be paired with the telephone base.

If a device is successfully paired, the icon (📶) (for cell phone) or 🎧 (for headset) and the corresponding name of the device will be shown on the **Paired Devices** list.



## Rename a paired device

1. Press the **MENU** softkey on the telephone base while in idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey to enter the **Bluetooth** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Paired Devices**, then press the **SELECT** softkey.
4. Press the **UP** and **DOWN** NavKeys to highlight the name of the device to be renamed.
5. Press the **RENAME** softkey to rename a device.
  - Press the **LEFT** and **RIGHT** NavKeys to move the cursor left and right.
  - Press the **ERASE** softkey to delete the highlighted characters.



## note

- To use a paired device, it must be connected, and on the **Active Devices** list (page 26).
- Only the first 16 characters of the device name is shown on the **Paired Devices** list.

# Bluetooth

## Rename a paired device (continued)

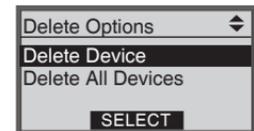
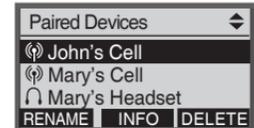
- Use the dial pad to enter the name (up to 16 characters). See the character chart on page 67 for more information on how to enter a name.
6. Press the **DONE** softkey to save the setting.

## Delete a paired device

If you already have the maximum of eight paired devices on the **Paired Devices** list, and you want to add another device, you must first delete a paired device from the **Paired Devices** list.

To delete a paired device:

1. Press the **MENU** softkey on the telephone base while in idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey to enter the **Bluetooth** menu.
3. Press the **DOWN** NavKey to highlight **Paired Devices**, then press the **SELECT** softkey.
4. Press the **UP** and **DOWN** NavKeys to highlight the name of the device to be deleted.
5. Press the **DELETE** softkey.
6. Press the **SELECT** softkey to delete the selected device. **Device Deleted** will appear on the display.



## Bluetooth

### Delete all paired devices

If you delete all paired devices, you will need to repeat the pairing process to connect a device.

To delete all the paired devices:

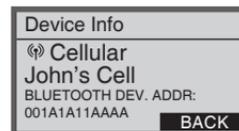
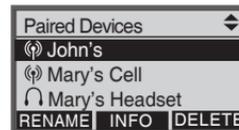
1. Press the **MENU** softkey on the telephone base while in idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey to enter the **Bluetooth** menu.
3. Press the **DOWN** NavKey to highlight **Paired Devices**, then press the **SELECT** softkey.
4. Press the **DELETE** softkey.
5. Press the **DOWN** NavKey to highlight **Delete All Devices**, then press the **SELECT** softkey.
6. Press the **YES** softkey to delete all the devices in the **Paired Devices** list.



### View device information

To view the information of a paired device:

1. Press the **MENU** softkey on the telephone base while in idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey to enter the **Bluetooth** menu.
3. Press the **DOWN** NavKey to highlight **Paired Devices**, then press the **SELECT** softkey.
4. Press the **UP** and **DOWN** NavKeys to highlight a device, then press the **INFO** softkey.
5. Press the **BACK** softkey to return to the **Paired Devices** list.



## note

- Connected devices appear on the **Active Devices** list automatically.

## Bluetooth

### Active devices

Only devices on the **Active Devices** list can establish a Bluetooth connection with the telephone base. Although two paired devices can be connected to the telephone base, only one Bluetooth cell phone or headset can be on a call at a time.

To enter the **Active Devices** list:

1. Press the **MENU** softkey on the telephone base while in idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey to enter the **Bluetooth** menu.
3. Press the **DOWN** NavKey to highlight **Active Devices**, then press the **SELECT** softkey.

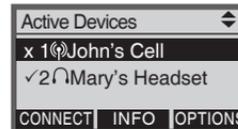
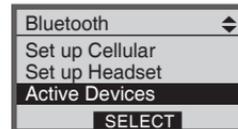
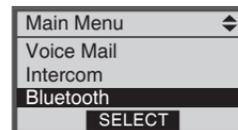
On the **Active Devices** list, you may see the following status symbols:

- **X** in front of the device indicates that it is disconnected.
- ✓ in front of a device indicates that it is connected to the telephone base.
- ))) in front of a device indicates that the telephone base is trying to connect to that device.

While in the **Active Devices** list, you can select:

- **CONNECT** - Press the **CONNECT** softkey to connect to a disconnected device.
- **DISCONN** - Press the **DISCONN** softkey to disconnect a device.
- **INFO** - Press the **INFO** softkey to view the current status and full name of a Bluetooth device.
- **OPTIONS** - Press the **OPTIONS** softkey to replace or remove a device.

If you experience difficulty, make sure that the device is on and not connected to any other Bluetooth device. See the **Troubleshooting** section for more information (page 87).



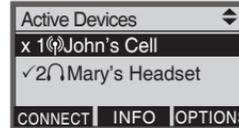
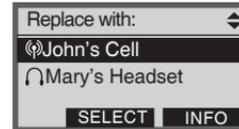
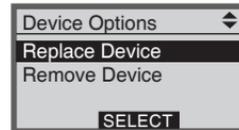
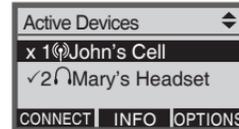
# Bluetooth

## Replace an active device

Replacing a Bluetooth device on the **Active Devices** list will replace an active device with a device from the **Paired Devices** list.

To replace an active device:

1. Press the **MENU** softkey on the telephone base while in idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey to enter the **Bluetooth** menu.
3. Press the **DOWN** NavKey to highlight **Active Devices**, then press the **SELECT** softkey. The screen will then display the active devices.
4. Press the **UP** and **DOWN** NavKeys to select the device to be replaced, then press the **OPTIONS** softkey.
5. Press the **SELECT** softkey to replace a device. The selected device will now be disconnected.
  - If you have other paired devices, you will be prompted to select a device which is already paired.
  - If you do not have other paired devices, see page 23.
6. Press the **UP** and **DOWN** NavKeys to select a device, then press the **SELECT** softkey. The selected device will then replace the previous device on the **Active Devices** list.



## note

- Devices on the **Active Device** list temporarily disconnect during this process, but automatically reconnect afterwards. It may take up to two minutes to reconnect.

## Bluetooth

### Remove an active device

Removing an active device will only remove it from the **Active Devices** list.

To remove an active device:

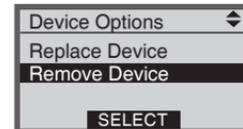
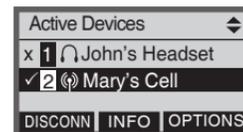
1. Press the **MENU** softkey on the telephone base while in idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey to enter the **Bluetooth** menu.
3. Press the **DOWN** NavKey to highlight **Active Devices**, then press the **SELECT** softkey. The screen will then display the active devices.
4. Press the **UP** and **DOWN** NavKeys to select the device to be removed, then press the **OPTIONS** softkey.
5. Press the **DOWN** NavKey to highlight **Remove Device**.
6. Press the **SELECT** softkey to remove the device from the **Active Devices** list.

### Add an active device

If you have only one active device, you can add another paired device to the **Active Devices** list, however you can only have one headset on the **Active Devices** list.

To add an active device:

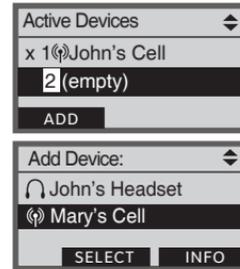
1. Press the **MENU** softkey on the telephone base while in idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey to enter the **Bluetooth** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Active Devices**, then press the **SELECT** softkey.



## Bluetooth

### Add an active device (continued)

4. Press the **UP** and **DOWN** NavKeys to select an empty device number, then press the **ADD** softkey.
5. Press the **UP** and **DOWN** NavKeys to select one of the paired devices.
6. Press the **SELECT** softkey. The paired device that you selected will be added to the **Active Devices** list.

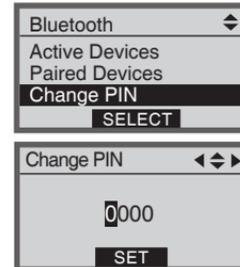


### Change the PIN (of the telephone base)

The PIN is exchanged between the telephone base (default is **0000**) and your Bluetooth device(s).

To change the PIN:

1. Press the **MENU** softkey on the telephone base to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to highlight **Bluetooth**, then press the **SELECT** softkey to enter the **Bluetooth** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Change PIN**, then press the **SELECT** softkey.
4. Enter your desired four-digit code by using the:
  - Dial pad keys (**0-9**).
  - **LEFT** and **RIGHT** NavKeys to move the cursor left or right.
  - **UP** or **DOWN** NavKeys to increase or decrease the number (**0-9**).
5. Press the **SET** softkey to save your setting.



# Handset settings

## Introduce handset settings

In the handset **Settings** menu, you can change and edit the handset settings. You can also clear the voice mail indication, delete a handset registration or restore the default settings.

To enter the **Settings** menu:

1. Press **MENU/SEL** in idle mode to enter the main menu.
2. Press the **UP** or **DOWN** NavKeys to select **Settings**, then press **MENU/SEL** to enter the **Settings** menu. You can then select:
  - **Edit Handset Name** - Edit the handset name up to 15 characters (page 31).
  - **Show Handset Name** - Display the handset name when in idle mode (page 31).
  - **Keypad Tone** - Turn the keypad tone on or off (page 32).
  - **Language** - Change the handset language to English, Spanish, or French (page 32).
  - **LCD Contrast** - Adjust the LCD screen contrast (page 33).
  - **Clear Voice Mail** - Clear the voice mail indication (page 33).
  - **Default Settings** - Restore the handset settings back to default (page 34).
  - **Delete Registration** - delete the registration of a handset (page 34).

After a setting has been saved or set, you will hear a confirmation tone and the display will return to the **Settings** menu.

While in the **Settings** menu:

- Press **OFF/CANCEL** to return to a previous menu.
- Press and hold **OFF/CANCEL** to return to idle mode.



## Handset settings

### Edit handset name

The handset name can be up to 15 characters including spaces.

To edit the handset name:

1. Press **MENU/SEL** in idle mode to enter the main menu.
2. Press the **UP** or **DOWN** NavKeys to select **Settings**, then press **MENU/SEL** to enter the **Settings** menu.
3. When **Edit Handset Name** is highlighted, press **MENU/SEL**.
  - Press the **LEFT** and **RIGHT** NavKey to move the cursor left and right.
  - Press the **ERASE** softkey to delete highlighted characters.
  - Use the dial pad to enter up to 15 alphanumeric characters including spaces (see page 67).
4. Press the **SAVE** softkey or **MENU/SEL** to save the setting.

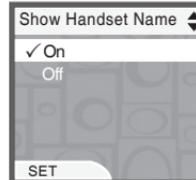
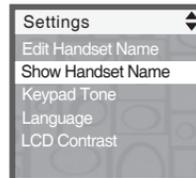
### Show handset name

By default, the handset name is shown on the display when in idle mode.

To change the setting:

1. Press **MENU/SEL** in idle mode to enter the main menu.
2. Press the **UP** or **DOWN** NavKeys to select **Settings**, then press **MENU/SEL** to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Show Handset Name**, then press **MENU/SEL**.
4. Press the **UP** and **DOWN** NavKeys to highlight **On** or **Off**, then press the **SET** softkey or **MENU/SEL** to save the setting.

If you change this setting to off, it will only affect that handset.



### note

- If no characters are entered for the handset name, **Name must not be empty** will be shown on the display. Enter a name for the handset.

## Handset settings

### Keypad tone

By default, the handset beeps when you press a key.

To change the keypad tone setting:

1. Press **MENU/SEL** when in idle mode to enter the main menu.
2. Press the **UP** or **DOWN** NavKeys to select **Settings**, then press **MENU/SEL** to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Keypad Tone**, then press **MENU/SEL**.
4. Press the **UP** and **DOWN** NavKeys to highlight **On** or **Off**, then press the **SET** softkey or **MENU/SEL** to save the setting.



### Language

By default, the handset language is English. You can select English, Spanish, or French to be used in all screen displays.

To change the language setting:

1. Press **MENU/SEL** when in idle mode to enter the main menu.
2. Press the **UP** or **DOWN** NavKeys to select **Settings**, then press **MENU/SEL** to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Language**, then press **MENU/SEL**.
4. Press the **UP** and **DOWN** NavKeys to highlight **English**, **Español** or **Français**, then press the **SET** softkey or **MENU/SEL** to save the setting.



## Handset settings

### LCD contrast

You can adjust the handset LCD display screen contrast to suit different lighting conditions.

To adjust the display contrast:

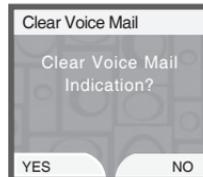
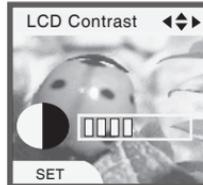
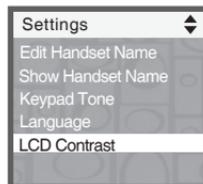
1. Press **MENU/SEL** when in idle mode to enter the main menu.
2. Press the **UP** or **DOWN** NavKeys to select **Settings**, then press **MENU/SEL** to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **LCD Contrast**, then press **MENU/SEL**.
4. Press the **LEFT** and **RIGHT** or **UP** and **DOWN** NavKeys to increase or decrease the display contrast.
5. Press the **SET** softkey or **MENU/SEL** to save the setting.

### Clear voice mail

If you subscribe to voice mail service provided by your telephone service provider, and when you have new voice mail, the **MESSAGE** light on the telephone base will flash, and **New Voice Mail** and the  will appear on all handset screens. If your telephone system indicates that there is new voice mail, but you are sure that you have no new voice mail messages, you can manually turn off the voice mail indication.

To manually turn off the voice mail indication:

1. Press **MENU/SEL** when in idle mode to enter the main menu.
2. Press the **UP** or **DOWN** NavKeys to select **Settings**, then press **MENU/SEL** to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Clear Voice Mail**, then press **MENU/SEL**. The screen will display **Clear Voice Mail Indication?**
4. Press the **YES** softkey.



### note

- Clearing the voice mail indication does not delete any voice mail messages. If there actually are new voice mail messages, your telephone service provider will continue to send the signal to activate the visual message waiting indicator.
- If you subscribe to voice mail services, your telephone service provider may alert you to new voice mail with a stutter (broken) dial tone.
- Contact your telephone service provider for more information about voice mail services.

## note

- Restoring the handset default settings does not clear the redial list, phone book, call log, messages, or reset the time or handset name.
- After deleting the handset registration, the handset will reset and display **Place in Charger**. To register a handset, see page 7.

## Handset settings

### Default settings (restore settings)

You can restore the default settings for all handset settings. Restoring the default settings for a handset only affects that handset.

To restore the default settings:

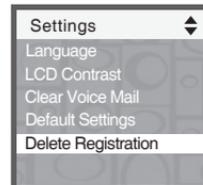
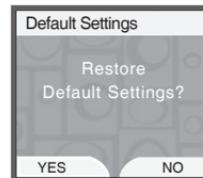
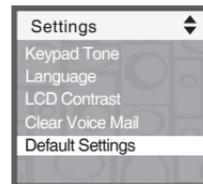
- Press **MENU/SEL** when in idle mode to enter the main menu.
- Press the **UP** and **DOWN** NavKeys to select **Settings**, then press **MENU/SEL** to enter the **Settings** menu.
- Press the **UP** and **DOWN** NavKeys to highlight **Default Settings**, then press **MENU/SEL**. The screen will display **Restore Default Settings?**
- Press the **YES** softkey.

### Delete registration

Deleting a handset registration only deletes the registration on that handset. Deleting a handset registration is only necessary if you are replacing your telephone base. To delete all the handsets from the telephone base, see page 48.

To delete the registration on the handset:

- Press **MENU/SEL** when in idle mode to enter the main menu.
- Press the **UP** and **DOWN** NavKeys to select **Settings**, then press **MENU/SEL** to enter the **Settings** menu.
- Press the **UP** and **DOWN** NavKeys to highlight **Delete Registration**, then press **MENU/SEL**. The screen will display **Delete Handset Registration?**
- Press the **YES** softkey.



# Handset settings

## Handset ringers

In the handset **Ringers** menu, you can select a ringer melody and adjust the ringer volume for incoming calls to the **HOME** and **CELL** lines. You can also record your own ringer through the handset microphone (page 38).

To enter the **Ringers** menu:

1. Press **MENU/SEL** when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Ringers**, then press **MENU/SEL** to enter the **Ringers** menu.

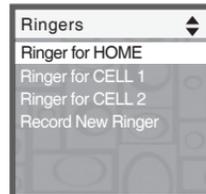
In the **Ringers** menu, you can select:

- **Ringer for HOME** - Set the ringer volume and melody for the **HOME** line.
- **Ringer for CELL 1** - Set the ringer volume and melody for the first connected cell phone in the **Active Devices** list (page 26).
- **Ringer for CELL 2** - Set the ringer volume and melody for the second connected cellular phone in the **Active Devices** list (page 26).
- **Record New Ringer** - Record a customized ringer.

After a setting has been saved or set, you will hear a confirmation tone, and the display will return to the previous menu.

While in the **Ringers** menu:

- Press **OFF/CANCEL** to return to a previous menu.
- Press and hold **OFF/CANCEL** to return to idle mode.



## note

- Even if the ringer volume is off, the telephone base or handset will ring at the lowest volume setting during an incoming intercom call.

# Handset settings

## Ringer volume

You can change the handset ringer volume to a comfortable level. The ringer can also be turned off so the phone does not ring during incoming calls.

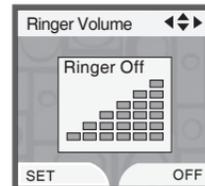
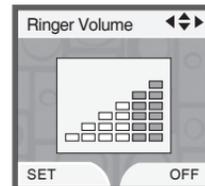
To adjust the handset ringer volume:

1. Press **MENU/SEL** when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Ringers**, then press **MENU/SEL** to enter the **Ringers** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight:
  - **Ringer for HOME** - Set the ringer volume and melody for the **HOME** line.
  - **Ringer for CELL 1** - Set the ringer volume and melody for the first connected cellular phone in the **Active Devices** list (page 26).
  - **Ringer for CELL 2** - Set the ringer volume and melody for the second connected cellular phone in the **Active Devices** list (page 26).
4. Press **MENU/SEL** to enter the desired ringer setting menu.
5. Press **MENU/SEL** again to adjust the volume setting.
6. To increase and decrease the handset ringer volume:
  - Press the **UP** and **DOWN** NavKeys, or
  - Press the **LEFT** and **RIGHT** NavKeys

**-OR-**

To turn off the handset ringer:

- Press the **OFF** softkey, or
  - Press the **DOWN** or **LEFT** NavKey until **Ringer Off** is shown on the display.
7. Press the **SET** softkey or **MENU/SEL** to save the setting.



## Handset settings

### Ringer melody

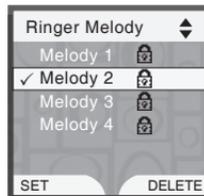
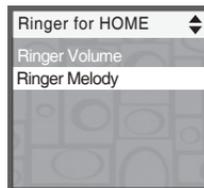
You can select from the traditional ringers and musical ringer melodies on each handset.

### Select a ringer melody

1. Press **MENU/SEL** when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Ringers**, then press **MENU/SEL** to enter the **Ringers** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight:
  - **Ringer for HOME** - Set the ringer volume and melody for the **HOME** line.
  - **Ringer for CELL 1** - Set the ringer volume and melody for the first connected cellular phone on the **Active Devices** list (page 26).
  - **Ringer for CELL 2** - Set the ringer volume and melody for the second connected cellular phone on the **Active Devices** list (page 26).
4. Press **MENU/SEL**.
5. Press the **DOWN** NavKey to highlight **Ringer Melody**, then press **MENU/SEL**. The current ringer melody will be played.
6. Press the **UP** and **DOWN** NavKeys to highlight a ringer. You will hear a sample of each ringer melody when highlighted.
7. Press the **SET** softkey or **MENU/SEL** to save the setting.

### Delete a ringer melody

1. Follow steps 1 through 5 in the above section.
2. Press the **DELETE** softkey. **Delete Ringer?** will appear on the display.
3. Press the **YES** softkey to delete the melody.



### note

- Selecting, recording, or deleting a ringer melody on one handset does not affect the other handset(s) in the system.
- You can only permanently delete the polyphonic ringer melodies. The traditional ringers (Melodies 1 through 8) cannot be deleted.
- Deleting a ringer melody increases the available record time for your own recordable ringer(s).

## note

- For optimal recording, place the handset microphone nine inches away from the source you wish to record.

## Handset settings

### Record a new ringer

Each recordable ringer can be up to 15 seconds. Depending on the remaining record time, you can record multiple ringers. To increase the record time, you need to delete a ringer melody (see page 37).

To record a ringer:

1. Press **MENU/SEL** when in idle mode to enter the main menu.
  2. Press the **UP** and **DOWN** NavKeys to select **Ringers**, then press **MENU/SEL** to enter the **Ringers** menu.
  3. Press the **UP** and **DOWN** NavKeys to highlight **Record New Ringer**, then press **MENU/SEL**.
  4. Press the **RECORD** softkey to begin recording. **Record Ringer after tone** will be shown on the display, then you will hear a tone.
  5. Record your ringer melody, then press the **STOP** softkey.
  6. When you finish recording, you can:
    - **PLAY** - Press the **PLAY** softkey to review the recorded ringer.
    - **SAVE** - Press the **SAVE** softkey to save the recorded ringer.
- OR-**
- Press **OFF/CANCEL** to discard the new recording and exit to the **Record New Ringer** menu

If you save the ringer, you will be prompted to enter a name for the recorded ringer.

- Use the character chart (page 67) to enter the ringer name (up to 10 characters), then press the **SAVE** softkey to save your recorded ringer.

Your new recorded ringer will appear on the **Ringer Melody** list (page 37).



# Handset settings

## Handset pictures

In the handset **Pictures** menu, you can select a background image for a handset screen. These images can also be programmed for individual callers in the phone book so that the corresponding images will be shown when different callers call in (see page 68).

To enter the **Pictures** menu:

1. Press **MENU/SEL** when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Pictures**, then press **MENU/SEL** to enter the **Pictures** menu.

In the **Pictures** menu:

- Press the **UP** and **DOWN** NavKeys to select a desired picture, then press the **SET** softkey or **MENU/SEL** to save the setting.

After a choice or setting has been saved, you will hear a confirmation tone. The screen will display **Wallpaper set**, and then return to the idle screen.

To exit the **Pictures** menu:

- Press and hold **OFF/CANCEL** to return to idle mode.



## Handset settings

### Handset animations

In the handset **Animations** menu, you can select an animation for a handset screen. These animations can also be programmed for individual callers in the phone book so that the corresponding animations will be shown when different callers call in (see page 68).

To enter the **Animations** menu:

1. Press **MENU/SEL** when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Animations**, then press **MENU/SEL** to enter the **Animations** menu.

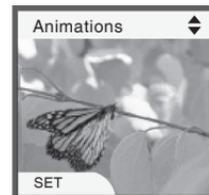
While in the **Animations** menu:

- Press the **UP** and **DOWN** NavKeys to select a desired animation, then press the **SET** softkey or **MENU/SEL** to save the setting.

After a choice or setting has been saved, you will hear a confirmation tone and the screen will display **Wallpaper set**, then the screen will return to idle mode.

To exit the **Animations** menu:

- Press and hold **OFF/CANCEL** to return to idle mode.



# Telephone base settings

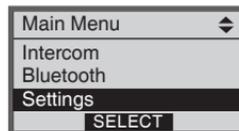
## Introduce telephone base settings

In the telephone base **Settings** menu, you can set the date, time, keypad tone, language, LCD (display) contrast and voice mail codes. You can also clear the voice mail indication, restore the default settings, and delete handset registrations.

To enter the **Settings** menu:

1. Press the **MENU** softkey when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Settings**, then press the **SELECT** softkey to enter the **Settings** menu. You can then select:
  - **Set Date** - Manually set the date (if you do not subscribe to caller ID, page 42).
  - **Set Time** - Manually set the time (if you do not subscribe to caller ID, page 42).
  - **Keypad Tone** - Turn the keypad tone on or off (page 43.)
  - **Language** - Change the telephone base language to English, Spanish, or French (page 43).
  - **LCD Contrast** - Adjust the LCD display screen contrast (page 44).
  - **Clear Voice Mail** - Clear the voice mail indication (page 45).
  - **Voice Mail Codes** - Program the voice mail codes (page 45).
  - **Default Settings** - Restore the telephone base settings back to default (page 47).
  - **Delete Handsets** - Delete the registration of all handsets (page 48).

After a choice or setting has been saved, you will hear a confirmation tone and the screen will return to the **Settings** menu.



### note

- To return to a previous menu, press **CANCEL**. To return to idle mode, press and hold CANCEL.

## note

- If **Invalid date** appears on the display, make sure you are entering a number between **01** and **12** for the month, a number between **01** and **31** for the day, and the current year.
- If **Invalid time** appears on the display, make sure you are entering a number between **01** and **12** for the hour and a number between **00** and **59** for the minute.

## Telephone base settings

### Set date

If you subscribe to caller ID service provided by your local telephone company, the time and date will automatically be set with an incoming **HOME** call.

To manually set the date:

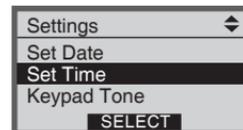
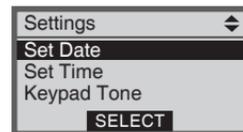
1. Press the **MENU** softkey when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Settings**, then press the **SELECT** softkey to enter the **Settings** menu.
3. Press the **SELECT** softkey to select **Set Date**.
4. Use the dial pad (**0-9**) to enter the year, month (**01-12**) and day (**01-31**). You can also use the **UP** and **DOWN** NavKeys to set the year, month and day.
5. Press the **SET** softkey to save the setting. A tone will sound and the screen will display the current date set.

### Set time

If you subscribe to caller ID service provided by your local telephone company, the time and date will automatically be set with an incoming **HOME** call.

To manually set the time:

1. Follow steps 1 and 2 in the above section.
2. Press the **UP** and **DOWN** NavKeys to select **Set Time**, then press the **SELECT** softkey.
3. Use the dial pad (**0-9**) to enter the hour (**01-12**) and minute (**00-59**), and the dial pad key **2** for AM and the key **7** for PM. You can also use the **UP** and **DOWN** NavKeys to set the hour, minute, and AM/PM.
4. Press the **SET** softkey to save the setting. A tone will sound and the screen will display the current time set.



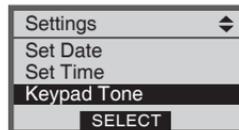
## Telephone base settings

### Keypad tone

By default, the telephone base will beep when you press a key. You can turn these keypad tones on or off:

To change the keypad tone setting:

1. Press the **MENU** softkey when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Settings**, then press the **SELECT** softkey to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to select **Keypad Tone**, then press the **SELECT** softkey.
4. Press the **UP** and **DOWN** NavKeys to highlight **On** or **Off**.
5. Press the **SET** softkey to save the setting. A confirmation tone will sound and the screen will display [ **Choice saved** ].

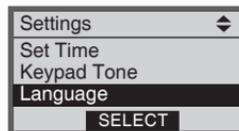


### Language

By default, the telephone base language is English. You can select English, Spanish or French to be used in all telephone base screen displays.

To change the language setting:

1. Press the **MENU** softkey when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Settings**, then press the **SELECT** softkey to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Language**, then press the **SELECT** softkey.
4. Press the **UP** and **DOWN** NavKeys to highlight **English**, **Español** or **Français**.
5. Press the **SET** softkey to save the setting. A confirmation tone will sound and the screen will display [ **Choice saved** ].



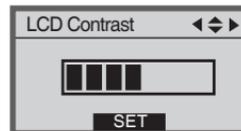
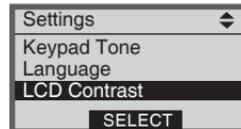
## Telephone base settings

### LCD contrast

You can adjust the telephone base LCD screen display contrast to suit different lighting conditions.

To adjust the display contrast:

1. Press the **MENU** softkey when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Settings**, then press the **SELECT** softkey to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **LCD Contrast**, then press the **SELECT** softkey.
4. Press the **LEFT** and **RIGHT** or **UP** and **DOWN** NavKeys to decrease or increase the **LCD contrast**.
5. Press the **SET** softkey to save the setting. A confirmation tone will sound and the screen will display [ **Choice saved** ].



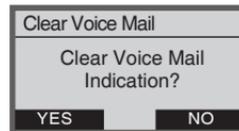
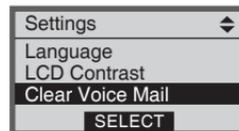
## Telephone base settings

### Clear voice mail

If you subscribe to voice mail services provided by the local telephone company, the **MESSAGE** light on the telephone base will flash and **New Voice Mail** will display on the telephone base and handset when you have a new voice mail message. If your telephone system indicates that there is voice mail, but you are sure that you have no new voice mail messages, you can manually turn off the voice mail indication.

To manually turn off the **MESSAGE** light:

1. Press the **MENU** softkey when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Settings**, then press the **SELECT** softkey to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Clear Voice Mail**, then press the **SELECT** softkey.
4. Press the **YES** softkey to clear the voice mail indication. A confirmation tone will sound and the screen will show [ **Voice Mail Indication cleared** ].

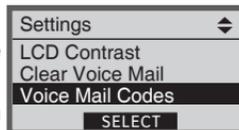


### Voice mail codes

The **LS5146** allows you to program your voice mail function codes so you can easily access voice mail features by using softkeys on the handset and the telephone base.

**To program your voice mail access number:**

1. Press the **MENU** softkey on the telephone base when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Settings**, then press the **SELECT** softkey to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Voice mail codes**, then press the **SELECT** softkey.



### note

- Clearing the voice mail indication does not delete any voice mail messages. If there actually are new voice mail messages, your telephone service provider will continue to send the signal to activate the visual message waiting indicator.
- If you subscribe to voice mail services, your local telephone company may alert you to new voice mail messages with a stutter (broken) dial tone.

## note

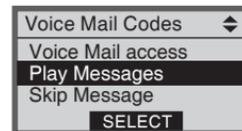
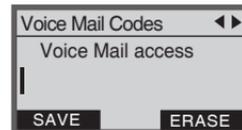
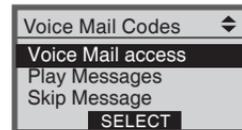
- The **LS5146** will only access your voice mail service from the **HOME** line.
- Contact your local telephone company for more information about voice mail service.
- All handsets and the telephone base share the same voice mail access code, and this voice mail access code only be set or changed on the telephone base.

## Telephone base settings

4. Press the **UP** and **DOWN** NavKeys to highlight **Voice mail access**, then press the **SELECT** softkey.
5. Use the dial pad to enter your access number.
  - Press the **ERASE** softkey to delete a highlighted character.
  - Press and hold the **#** key to enter a two-second dialing pause (if necessary) and then enter your PIN or password.
6. Press the **SAVE** softkey to save your setting.

### To program additional voice mail function codes:

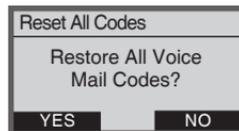
1. Follow steps 1 through 3 from **To program your voice mail access number** (see pages 45 and 46).
2. Press the **UP** and **DOWN** NavKeys to highlight one of the following options, then press the **SELECT** softkey:
  - **Play Messages**
  - **Skip Message**
  - **Repeat Message**
  - **Delete Message**
  - **Msg Time Stamp**
3. Use the dial pad to enter the code.
  - Press the **ERASE** softkey to delete the highlighted character.
4. Press the **SAVE** softkey to save the setting.



## Telephone base settings

To restore all codes to the default settings:

1. Press the **MENU** softkey when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Settings**, then press the **SELECT** softkey to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Voice Mail Codes**, then press the **SELECT** softkey.
4. Press the **UP** and **DOWN** NavKeys to highlight **Reset All Codes**, then press the **SELECT** softkey.
5. Press the **YES** softkey to save the setting.

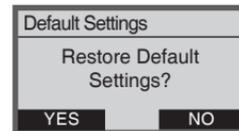
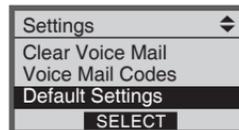


### Default settings (restore settings)

You can restore the default settings of the telephone base if desired. Restoring the default setting only affects the telephone base.

To restore default settings:

1. Press the **MENU** softkey when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Settings**, then press the **SELECT** softkey to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Default Settings**, then press **SELECT**. The screen will display **Restore Default Settings?**
4. Press the **YES** softkey to restore the telephone base default settings. A confirmation tone will sound and the screen will show [ **Default settings restored** ].



### note

- Restoring the telephone base default settings does not clear the phone book, call log, active devices, paired devices, redial list, or reset the time.

## note

- If you replace a handset, the new handset will be assigned the next available registration number, rather than the handset number of the handset that you are replacing.

# Telephone base settings

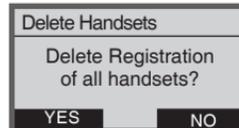
## Delete handsets

For your handset(s) to be numbered sequentially, you need to delete all the handset registrations from the telephone base. After you delete all the handset registrations, you will need to individually register each handset with the telephone base (see page 7).

To delete the registration on all handsets:

1. Press the **MENU** softkey on the telephone base when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Settings**, then press the **SELECT** softkey to enter the **Settings** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight **Delete Handsets**, then press the **SELECT** softkey. The screen will show **Delete Registration of all handsets?**
4. Press the **YES** softkey. The telephone base screen will display **[ Registration of all handsets deleted ]** and the handset screen will display **Place in Charger**.

After deleting the registrations of all handsets, see page 7 for handset registration instructions.



# Telephone base settings

## Telephone base ringers

In the telephone base **Ringers** menu, you can select a ringer melody and adjust the ringer volume for incoming calls to the **HOME** and **CELL** lines.

To enter the **Ringers** menu:

1. Press the **MENU** softkey when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Ringers**, then press the **SELECT** softkey to enter the **Ringers** menu.

In the **Ringers** menu, you can select:

- **Ringer for HOME** - Set the ringer volume and melody for the **HOME** line.
- **Ringer for CELL 1** - Set the ringer volume and melody for the first connected cell phone in the **Active Devices** list (page 26).
- **Ringer for CELL 2** - Set the ringer volume and melody for the second connected cell phone in the **Active Devices** list (page 26).

After a setting has been saved or set, you will hear a confirmation tone and the display will return to the previous menu.

While in the **Ringers** menu:

- Press **CANCEL** to return to the previous menu.
- Press and hold **CANCEL** to return to the idle screen.



## note

- Even if the ringer volume is off, the telephone base or handset will ring at the lowest volume setting during an incoming intercom call.

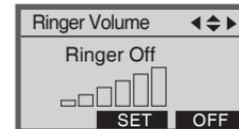
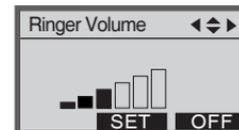
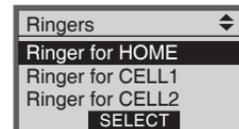
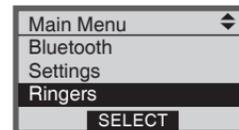
# Telephone base settings

## Ringer volume

You can adjust the ringer volume to a comfortable level on the telephone base. The ringer can also be turned off so the telephone base will not ring during incoming calls.

To adjust the telephone base ringer volume:

1. Press the **MENU** softkey when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Ringers**, then press the **SELECT** softkey to enter the **Ringers** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight:
  - **Ringer for HOME** - Set the ringer volume and melody for the **HOME** line.
  - **Ringer for CELL 1** - Set the ringer volume and melody for the first connected cell phone on the **Active Devices** list (page 26).
  - **Ringer for CELL 2** - Set the ringer volume and melody for the second connected cell phone on the **Active Devices** list (page 26).
4. Press the **SELECT** softkey to confirm your selection.
5. Press **SELECT** softkey again to select **Ringer Volume**.
6. To change the ringer volume:
  - Press the **UP** and **DOWN** or **LEFT** and **RIGHT** NavKeys.To turn off the telephone base ringer:
  - Press the **DOWN** or **LEFT** NavKeys until the display shows **Ringer Off**. You can also press the **OFF** softkey.
7. Press the **SET** softkey to save the setting.



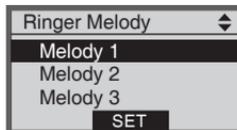
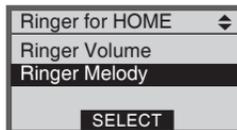
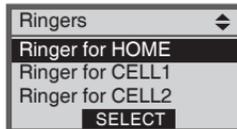
# Telephone base settings

## Ringer melody

You can select from the traditional ringer melodies on the telephone base.

To select a ringer melody:

1. Press the **MENU** softkey when in idle mode to enter the main menu.
2. Press the **UP** and **DOWN** NavKeys to select **Ringers**, then press the **SELECT** softkey to enter the **Ringers** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight one of the options below, then press the **SELECT** softkey.
  - **Ringer for HOME** - Set the ringer volume and melody for the **HOME** line.
  - **Ringer for CELL 1** - Set the ringer volume and melody for the first connected cellular phone on the **Active Devices** list (page 26).
  - **Ringer for CELL 2** - Set the ringer volume and melody for the second connected cellular phone on the **Active Devices** list (page 26).
4. Press the **DOWN** NavKey to highlight **Ringer Melody**, then press the **SELECT** softkey. You will then hear a sample of the ringer melody.
5. Press the **UP** and **DOWN** NavKeys to select the desired ringer.
6. Press the **SET** softkey to save the setting.



## note

- You can only use one Bluetooth device on a call at a time, either one cell phone on the **CELL** line or one headset on the **HOME** line (page 60).

## Telephone operation

### Telephone operation

With your new **LS5146** telephone system, you can make and receive calls using your Bluetooth cell phone on the **CELL** line with the telephone system. You can also use your conventional telephone landline to make and receive calls on the **HOME** line.

Here are some quick instructions to get you started. See the following sections for more details.

- To make or receive a call, press **HOME** or **CELL** (pages 53-58).
- To end a **HOME** or **CELL** call on a handset, press **OFF/CANCEL** or place the handset in the telephone base or charger.
- To end a **HOME** or **CELL** call on the telephone base, press **HOME** or **CELL**, depending on which line is in use.
- To use the handset speakerphone on a **HOME** or **CELL** line call, press **☎** to switch between speakerphone and normal handset use.
- When entering a telephone number, press **OFF/CANCEL** on the handset or **CANCEL** on the telephone base to make corrections.

Your new telephone system allows you to simultaneously make and receive calls on the **HOME** and **CELL** lines (pages 61-62), place calls on hold (page 60), mute a call (page 60), conference calls (page 62), and intercom between handset(s) and the telephone base (pages 63-64).

### IMPORTANT INFORMATION

- If you turn off or disconnect your Bluetooth enabled cell phone or headset, you may need to manually connect your device(s) to the telephone base again. See the user's manual of your device for more information.
- If you experience difficulty operating the telephone system, see the **Troubleshooting** section (page 87).

# Telephone operation

## Make a HOME call

You can make **HOME** calls using a handset and telephone base. You can also use a wireless Bluetooth enabled headset on **HOME** calls.

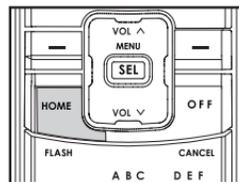
## Using a handset

To make a **HOME** call:

- Enter the telephone number, then press **HOME/FLASH** or  .  
–OR–
- Press **HOME/FLASH** or  , then enter the telephone number.

To end a **HOME** call:

- Press **OFF/CANCEL** or return the handset in the telephone base or charger.



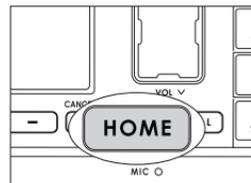
## Using the telephone base

To make a **HOME** call:

- Enter the telephone number, then press **HOME**.  
–OR–
- Press **HOME**, then enter the telephone number.

To end a **HOME** call:

- Press **HOME**.



## note

- To erase the last digit entered when entering a telephone number, press **OFF/CANCEL** on the handset or **CANCEL** on the telephone base.

## note

- When using a headset on a **HOME** call, follow steps 2 to 3 to switch between headset and the telephone base speakerphone use.

## Telephone operation Using a Bluetooth headset

To make a **HOME** call:

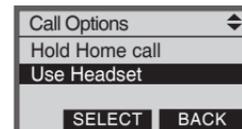
1. Press **HOME**, then enter the telephone number.
2. Press the **OPTIONS** softkey to display **Call Options**.
3. Press the **UP** and **DOWN** NavKeys to highlight **Use Headset**.

–OR–

1. Enter the telephone number, then press **HOME**.
2. Press the **OPTIONS** softkey to display **Call Options**.
3. Press the **UP** and **DOWN** NavKeys to highlight **Use Headset**.

To end a **HOME** call:

- Press **HOME**.
- OR–
- Press the call button on your headset. Refer to the user's manual of your headset for more information.



# Telephone operation

## Receive a HOME call

You can receive **HOME** calls using a handset or telephone base. You can also use a wireless Bluetooth enabled headset on **HOME** calls.

### Using a handset

To receive an incoming **HOME** call:

- Press **HOME/FLASH** or .

To end a **HOME** call:

- Press **OFF/CANCEL** or return the handset to the telephone base or charger.

### Using the telephone base

To receive an incoming **HOME** call:

- Press **HOME**.

To end a **HOME** call:

- Press **HOME**.

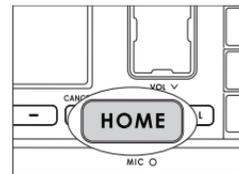
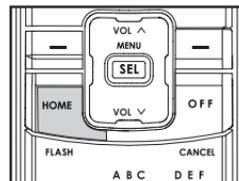
### Using a Bluetooth headset

To receive an incoming **HOME** call:

- Press the call button on your headset.

To end a call on the **HOME** line:

- Press **HOME**.
- OR–
- Press the call button on your headset.



## note

- When using a headset on the **HOME** line, press **HEADSET** to switch between headset use and the telephone base speakerphone.
- Refer to the user's manual of your headset for more information on using your headset's call button.

## note

- Contact your local telephone company for more information about call waiting services.

## Telephone operation

### Call waiting on the HOME line

If you subscribe to call waiting service, you will hear a short beep if you have an incoming **HOME** call while already on another **HOME** call.

To answer a call waiting **HOME** call:

- Press **HOME/FLASH** on the handset.

–OR–

- Press the **FLASH** softkey on the telephone base.

Contact your local telephone company for more information about call waiting service.

# Telephone operation

## Make a CELL call

You can connect a maximum of two Bluetooth enabled cell phones to the telephone base, but only one cell phone can be used on a **CELL** call at a time.

If you only have one cell phone connected to the telephone base, it will automatically be selected to make and receive **CELL** calls. However, if you have two cell phones connected to the telephone base and on the **Active Devices** list (page 26), you will be prompted to select a cell phone before continuing to make a **CELL** call.

You can make **CELL** calls using a handset and the telephone base.

## Using a handset

To make a **CELL** call:

- Enter the telephone number, then press **CELL**.  
–OR–
- Press **CELL** and enter the telephone number, and then press the **DIAL** softkey.

To end a **CELL** call:

- Press **OFF/CANCEL** or return the handset to the telephone base or charger.

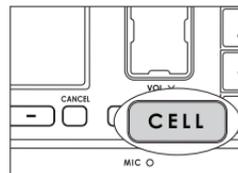
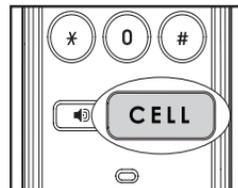
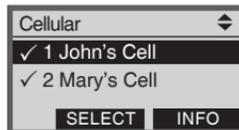
## Using the telephone base

To make a **CELL** call:

- Enter the telephone number, then press **CELL**.  
–OR–
- Press **CELL** and enter the telephone number, and then press the **DIAL** softkey.

To end a **CELL** call:

- Press **CELL**.



## note

- To use the **CELL** line, make sure that a Bluetooth enabled cell phone is connected to the telephone base and on the **Active Devices** list (page 26).

## note

- If you do not answer an incoming **CELL** call while already on a **CELL** call, and you have voice mail service active on your cell phone, the incoming call may be forwarded to your cell phone's voice mail, depending on your cell voice mail service. Contact your cell phone service provider for more information.

## Telephone operation

### Receive a **CELL** call

You can receive **CELL** calls using a handset and the telephone base.

#### Using a handset

To receive a **CELL** call:

- Press **CELL** or .

To end a **CELL** call:

- Press **OFF/CANCEL** or return the handset to the telephone base or charger.

#### Using the telephone base

To receive a **CELL** call:

- Press **CELL**.

To end a **CELL** call:

- Press **CELL**.

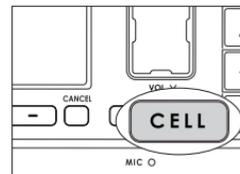
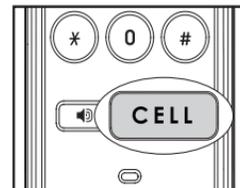
### Call waiting on the **CELL** line

If you subscribe to call waiting service provided by your cell phone service provider, you will hear one or more beeps if you have an incoming **CELL** call while already on another **CELL** call.

To answer a call waiting **CELL** call:

- Press the **SWAP** softkey on the handset or the telephone base.

Contact your cell phone service provider for more information about call waiting service.



# Telephone operation

## Adjust the listening volume

You can adjust the listening volume on a handset or the telephone base. For both the **HOME** and **CELL** lines, each time a volume button is pressed, the listening volume is adjusted by one level. When you are at the highest and lowest volume levels, you will hear a tone.

To adjust the listening volume while on a call:

- Press the **VOL ▲** or **VOL ▼** NavKey on a handset or the telephone base.



## Silence the ringers

When an incoming call rings on the **HOME** or **CELL** line, you can temporarily silence the ringer on a handset, telephone base, or the telephone system. Even if you silence the ringers, you will still be able to answer the call on a handset or on the telephone base. These features only silence the ringers for the current incoming call. The next incoming calls will ring according to the volume setting.

To silence the ringers during an incoming call:

### Incoming HOME calls

- Press the **SILENCE** softkey to silence the ringer on that handset or on the telephone base.
- Press the **IGNORE** softkey to silence all the ringers on all the handsets, including the telephone base.

### Incoming CELL calls

- Press the **SILENCE** softkey to silence the ringer on that handset or on the telephone base.
- Press the **REJECT** softkey to end the incoming call. This will end the incoming **CELL** call.

You can also press **OFF/CANCEL** on the handset or **CANCEL** on the telephone base to silence the ringers of an incoming call.

## note

- If you silence or ignore an incoming **HOME** line call and you have voice mail service, the voice mail will answer the incoming call.
- If you reject an incoming **CELL** call and you have voice mail service active on your cell phone, the call will be forwarded to your cell phone's voice mail.

## note

- When a call is on hold, the **HOME** key and the  status icon or the **CELL** key and the  status icon will flash slowly, depending on which line is on hold.

## Telephone operation

### Mute

While on a **HOME** or **CELL** line call, you can mute the microphone. This allows you to hear the caller, but the caller will not be able to hear you.

To mute a call on a handset or telephone base:

- Press the **MUTE** softkey to silence the microphone. **Microphone Muted** will appear on the handset display; **MICROPHONE MUTED** will appear on the telephone base display.

To unmute a call on a handset or telephone base:

- Press the **UNMUTE** softkey to unmute the microphone and resume the conversation.

### Hold

When you place a **HOME** or **CELL** call on hold, the handset or telephone base that placed the call on hold will beep every 30 seconds for 15 minutes, unless there is a call on another line. After 15 minutes, the handset or telephone base that placed the call on hold will ring for 30 seconds, and if the call is not answered, the call on hold will be ended. In addition, if you are using a Bluetooth headset on the **HOME** line and you are out of range of the telephone base, the **HOME** call will be placed on hold.

To place a **HOME** call on hold:

- Press the **HOLD** softkey on the handset or telephone base. **Home call on hold** will appear on the display.

To resume a **HOME** call on hold:

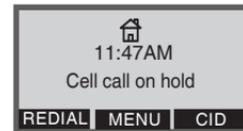
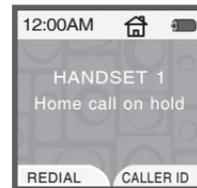
- Press **HOME/FLASH** on the handset or **HOME** on the telephone base.

To place a **CELL** call on hold:

- Press the **HOLD** softkey on the handset or telephone base. **Cell call on hold** will appear on the display.

To resume a **CELL** call on hold:

- Press **CELL** on a handset or telephone base.



## note

## Telephone operation

### Receive a CELL call while on a HOME call

While on a **HOME** call and there is an incoming **CELL** call, **CELL** and or status icon will flash on the handset and telephone base display, and you will hear a short beep.

To answer the incoming **CELL** call:

- Press **CELL** on the handset or telephone base.
  - The **HOME** call will automatically be placed on hold and **Home call on hold** will appear on the display.

To end the **CELL** call:

- Press **OFF/CANCEL** on the handset or **CELL** on the telephone base.
  - The **HOME** line will still be on hold.

To resume the **HOME** call on hold:

- Press **HOME** on the handset or telephone base.

### Receive a HOME call while on a CELL call

If you are on a **CELL** call and there is an incoming **HOME** call, **HOME** and the status icon will flash on the handset and the telephone base display and you will hear a short beep.

To answer the incoming **HOME** call:

- Press **HOME** on the handset or telephone base.
  - The **CELL** line call will automatically be placed on hold and **Cell call on hold** will appear on the display.

To end the **HOME** call:

- Press **OFF/CANCEL** on the handset or **HOME** on the telephone base.
  - The **CELL** line will still be on hold.

To resume the **CELL** call on hold:

- Press **CELL** on the handset or telephone base.

- If you have voice mail service active on your cell phone, and you do not answer the incoming **CELL** call, the call will be answered by your cell phone's voice mail. Contact your cell service provider for more information about voice mail service.
- If you have voice mail service on your home line and you do not answer an incoming **HOME** call while on the **CELL** line, the incoming **HOME** line call will be answered by voice mail.

## note

- The **OPTIONS** softkey is available when calls are on both **HOME** and **CELL** lines.
- Ending a conference call on a handset or telephone base when other handsets or the telephone base are on a conference call will not end the conference call, unless you use the **End Conf. call** option described on the left.

## Telephone operation

### Conference HOME and CELL calls

While you are on a **HOME** or **CELL** call, and the other line is on hold or in use, you can connect the lines using a handset or the telephone base.

To conference both **HOME** and **CELL** calls:

1. Press the **OPTIONS** softkey on the handset or telephone base.
2. Press the **UP** and **DOWN** NavKeys to select **Conf. both lines**.
3. Press **MENU/SEL** on the handset or the **SELECT** softkey on the telephone base. The **HOME** and **CELL** lines will now be connected.

To see a list of options for the handset or telephone base while on a conference call:

1. Press the **OPTIONS** softkey on the handset or telephone base. You can then select:
  - **Hold Conf. call** - Hold the conference call.
  - **End Home call** - End the **HOME** line call.
  - **End Cell call** - End the **CELL** line call.
  - **End Conf. call** - End the conference call.
2. Press the **UP** and **DOWN** NavKeys to highlight your desired choice, then press **MENU/SEL** on the handset or the **SELECT** softkey on the telephone base.

To end a conference call:

- Press **OFF/CANCEL** on the handset or return the handset to the telephone base or charger.
  - Press **HOME** or **CELL** on the telephone base
- OR–
- Use the **End Conf. call** option described in the above section.

# Telephone operation

## Call waiting while on a conference call

If you subscribe to call waiting service and you receive an incoming **HOME** call while on a conference call, you can answer the call waiting **HOME** call by pressing:

- **HOME/FLASH** on the handset.  
–OR–
- The **FLASH** softkey on the telephone base.

The call waiting **HOME** call will join the conference call with the **CELL** call.

If you receive an incoming **CELL** call while on a conference call, you can answer the call waiting **CELL** call by pressing:

- The **SWAP** softkey on the handset or telephone base.

The call waiting **CELL** call will join the conference call with the **HOME** call.

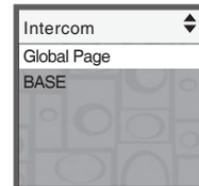
## Intercom

The intercom feature allows you to intercom between handset(s) and the telephone base.

To enter the **Intercom** menu:

### Using a handset

1. Press **MENU/SEL** when the handset is in idle mode.
2. Press the **UP** and **DOWN** NavKeys to select **Intercom**, then press **MENU/SEL** to enter the **Intercom** menu.



## note

- Depending on the number of handsets in the system and if you are using a handset or telephone base, you will have slightly different intercom options.
- If you receive an incoming **HOME** or **CELL** call while on an intercom call, you will hear an alert tone and the caller information will appear on the display. The intercom call will be terminated if you answer the call.

## Telephone operation

### Intercom (continued)

#### Using the telephone base

1. Press the **MENU** softkey when the telephone base is in idle mode.
2. Press the **UP** and **DOWN** NavKeys to select **Intercom**, then press the **SELECT** softkey to enter the **Intercom** menu.

While in the **Intercom** menu, you can select:

- **Global Page** - Initiate an intercom to all handsets and the telephone base. This function can also be used as a handset locator.
- **BASE** - When using a handset, initiate an intercom call with the telephone base.
- **Handset name** - Initiate an intercom call with the destination handset.

To answer an intercom call:

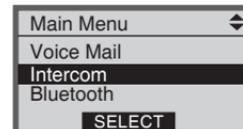
- Press the **ANSWER** softkey on the handset or telephone base.

To silence an intercom call:

- Press the **SILENCE** softkey.  
–OR–
- Press **OFF/CANCEL** on the handset or **CANCEL** on the telephone base.

To end an intercom call:

- Press the **END** softkey.  
–OR–
- Press **OFF/CANCEL** on the handset.



# Telephone operation

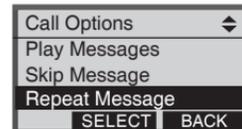
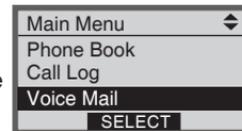
## Voice mail

If you subscribe to voice mail service provided by your telephone service provider, and you have new voice mail, the **MESSAGE** light on the telephone base will flash and the telephone base screen will display **New Voice Mail**, and **New Voice Mail** and  will appear on all handset screens. The **VMAIL** softkey will also appear on the idle screen when you have new voice mail.

You can easily access your voice mail features by pressing the **VMAIL** softkey on the handset or telephone base, but you must first program your voice mail codes as instructed on page 45.

### To access your programmed voice mail codes:

1. Press **MENU/SEL** on the handset or the **MENU** softkey on the telephone base when in idle mode.
2. Press the **UP** or **DOWN** NavKeys to select **Voice Mail**.
3. Press **MENU/SEL** on the handset or the **SELECT** softkey on the telephone base to dial your voice mail service.
4. When connected to your service, press the **OPTIONS** softkey to display various call options.
5. Press the **UP** and **DOWN** NavKeys to highlight one of the below options.
  - **Play Messages**
  - **Skip Message**
  - **Repeat Message**
  - **Delete Message**
  - **Msg Time Stamp**
  - **Hold Home Call**
6. Press **MENU/SEL** on the handset or the **SELECT** softkey on the telephone base.



## note

- Contact your telephone service provider for more information about voice mail service. See page 45 for information on setting your voice mail codes.
- The **LS5146** will only access your voice mail service from the **HOME** line.
- If you subscribe to voice mail services, your telephone service provider may alert you to new voice mail with a stutter (broken) dial tone.

# Telephone operation

## Phone book

In the **Phone Book** menu, you can store and search for names and numbers already stored inside. Phone book entries are stored independently on each handset and the telephone base. The phone book can store up to 100 entries, with a maximum of 16 alphanumeric characters (including spaces) and 32 digits.

The phone book also allows you to assign a unique ringer, picture, or animation for specific callers (page 68), if you subscribe to caller ID service, provided by your local telephone company.

To enter the **Phone Book** menu:

### Using a handset

- Press **MENU/SEL** when the handset is in idle mode, then press **MENU/SEL** to enter the **Phone Book** menu.

### Using the telephone base

- Press the **MENU** softkey when the telephone base is in idle mode, then press the **SELECT** softkey to enter the **Phone Book** menu.

While in the **Phone Book** menu, you can:

- Create a new phone book entry (page 67).
- Search for a phone book entry by name (page 70).
- Dial a phone book entry (page 71).
- Edit a phone book entry (page 72).
- Delete an entry or the entire phone book (page 73).

To exit the **Phone Book** menu:

- Press and hold **OFF/CANCEL** on the handset or **CANCEL** on the telephone base.



# Telephone operation

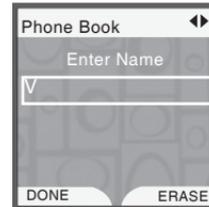
## Create a new phone book entry

Phone book entries are unique to each handset and telephone base.

To create a new phone book entry:

### Using a handset

1. Press **MENU/SEL** when the handset is in idle mode, then press **MENU/SEL** to enter the **Phone Book** menu.
2. Press the **NEW** softkey to create a new phone book entry.
3. Enter the name (up to 16 characters) by using the dial pad **(0-9)**.



See the chart below.

- Each time a dial key is pressed, the characters on that key will be displayed in the highlighted character in the order of the number of key presses. For instance, for the letter **a**, press the **2** dial pad key five times.
- Press the **LEFT** and **RIGHT** NavKeys to move the cursor left and right.
- Press the **ERASE** softkey to **backspace** and **delete** a highlighted character.

Dial key	Characters by number of key presses								
	1	2	3	4	5	6	7	8	9
1	space	1							
2	A	B	C	2	a	b	c		
3	D	E	F	3	d	e	f		
4	G	H	I	4	g	h	i		
5	J	K	L	5	j	k	l		
6	M	N	O	6	m	n	o		
7	P	Q	R	S	7	p	q	r	s
8	T	U	V	8	t	u	v		
9	W	X	Y	Z	9	w	x	y	z
0	0								
*	*	?	!	/	(	)			
#	#	'	,	-	.	&			

## note

- Press **OFF/CANCEL** at anytime to discard changes and return to the **Phone Book** menu.
- While creating or editing an entry, if no keys are pressed within 60 seconds, changes will be discarded, and the display will timeout and return to the **Phone Book** menu.
- The cursor moves to the right automatically after two seconds. It also moves to the right when you press another dial pad key or press the **RIGHT** NavKey.

## Telephone operation

### Create a new phone book entry (continued)

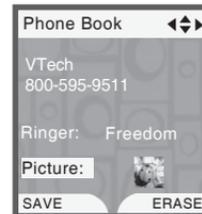
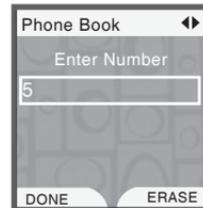
4. Press the **DONE** softkey or **MENU/SEL** to store the name.
5. Enter the telephone number (up to 32 digits) by using the dial pad (**0-9**).
  - Press the **ERASE** softkey to backspace and delete a highlighted digit.
  - Press the **LEFT** and **RIGHT** NavKeys to move the cursor left and right.
  - Press and hold # until a **P** appears on the display to enter a dialing pause.
6. Press the **DONE** softkey or **MENU/SEL** to store the telephone number.
7. Press the **SAVE** softkey to save the phone book entry and return to the **Phone Book** menu.

–OR–

Press the **UP** and **DOWN** NavKeys to select:

- **Edit the name** - Highlight the name, then press **MENU/SEL** to edit the name (see step 3 on page 67).
- **Edit the number** - Highlight the telephone number, then press **MENU/SEL** to edit the number (see step 5).
- **Assign a ringer** - Highlight **Ringer**, then press the **LEFT** and **RIGHT** NavKeys to preview a ringer melody. You can also press **MENU/SEL** to see the list of ringer melodies (see steps 6 and 7 on page 37).
- **Assign a picture or animation** - Highlight **Picture**, then press the **LEFT** or **RIGHT** NavKeys to preview a picture or a still animation. You can also press **MENU/SEL** to see the full screen picture or animation (see pages 39 and 40 for more information).

When finished editing and customizing the phone book entry, press the **SAVE** softkey to store the entry. A confirmation tone will sound and the screen will show **Entry saved to Phone Book**. The display will return to the **Phone Book** menu.



# Telephone operation

## Create a new phone book entry (continued)

### Using the telephone base

1. Press the **MENU** softkey when the telephone base is in idle mode.
2. Press the **SELECT** softkey to enter the **Phone Book** menu.
3. Press the **NEW** softkey to create a new phone book entry.
4. Enter the name (up to 16 characters) by using the dial pad (**0-9**). See the character chart on page 67.
  - Each time a dial key is pressed, the characters on that key will be highlighted according to the number of key presses. For instance, for the letter a, press the **2** dial pad key five times.
  - Press the **LEFT** and **RIGHT** NavKeys to move the cursor left and right.
  - Press the **ERASE** softkey to backspace and delete a highlighted character.
5. Press the **DONE** softkey to store the name.
6. Enter the telephone number (up to 32 digits) by using the dial pad (**0-9**).
  - Press the **LEFT** and **RIGHT** NavKeys to move the cursor left and right.
  - Press the **ERASE** softkey to backspace and delete a highlighted digit.
  - Press and hold # until a **P** appears on the display to enter a pause.
7. Press the **DONE** softkey when finished entering the telephone number.
8. Press the **SAVE** softkey to store the entry.

–OR–

Press the **UP** and **DOWN** NavKeys to highlight and edit the name or number (see steps 4 and 6), then press the **SAVE** softkey to store the entry.

### note

- Press **CANCEL** at anytime to discard any changes and return to the **Phone Book** menu.
- The display will timeout and return to the **Phone Book** menu if no keys are pressed within 60 seconds.

## note

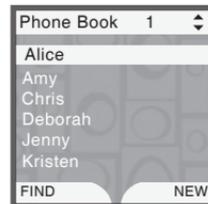
- Phone book entries are stored in alphabetical order by the first letter in the first name.
- If there is no name entry matching your search, the previous closest in alphabetical order will appear on the display.

# Telephone operation

## Search for phone book entries

To search for phone book entries on a handset or the telephone base, enter the **Phone Book**, then:

- Press the **UP** and **DOWN** NavKeys to scroll through the entries in alphabetical order.
- Press a dial pad key (**0-9**) to start a quick name search.
- Press the **FIND** softkey to search for phone book entries by name.



### To start a quick name search:

1. Enter the **Phone Book** menu from a handset or the telephone base (see page 66).
2. Press a dial pad key (**0-9**).

The phone book will display the first name beginning with the first letter associated with the dial pad key, if there is an entry in the phone book entry that begins with that letter. To see other names that start with the letters on the same dial pad key, keep pressing the dial pad key. The names will be shown in alphabetical order.

For example, if you have name entries **Jennifer**, **Jessie**, **Kevin** and **Linda** in a phone book:

- If you press **5** (JKL) once, **Jennifer** will be highlighted.
- If you press **5** (JKL) twice **Kevin** will be highlighted.
- If you press **5** (JKL) three times **Linda** will be highlighted.

### To search for phone book entries by name:

1. Enter the **Phone Book** menu from a handset or the telephone base (see page 66).
2. Press the **FIND** softkey.
3. Enter a name using the dial pad keys (**0-9**). If you have name entries such as **Alice**, **Amy**, **Chris**, **Deborah**, **Jenny**, and **Kristen** in a handset or telephone base phone book and you enter:
  - **A** in the **Search for** screen, and then press the **DONE** softkey, **Alice** will be highlighted.
  - **AM** in the **Search for** screen, and then press the **DONE** softkey, **Amy** will be highlighted.
  - **G** in the **Search for** screen, and then press the **DONE** softkey, **Deborah** will be highlighted.

# Telephone operation

## Dial a phone book entry

You can dial a phone book entry on either a **HOME** or **CELL** line.

To dial a phone book entry:

### Using a handset

1. Search for the desired entry in the **Phone Book** menu (see page 70).
2. Press the **UP** and **DOWN** NavKeys to highlight the desired entry, then press **MENU/SEL**.
3. Press **HOME/FLASH**, **Ⓜ** or **CELL** to dial.

### Using the telephone base

1. Search for the desired entry in the **Phone Book** menu (see page 70).
2. Press the **UP** and **DOWN** NavKeys to highlight the desired entry, then press the **SELECT** softkey.
3. Press **HOME** or **CELL** to dial.

## note

- Press **OFF/CANCEL** on the handset or **CANCEL** on the telephone base at anytime to discard the changes and return to the **Phone Book** menu.
- If no keys are pressed within 60 seconds while creating or editing an entry, changes will be discarded and the display will timeout and return to the **Phone Book** menu.

## Telephone operation

### Edit a phone book entry

In a handset phone book, you can edit the name, number, ringer, and picture or animation for an entry.

In the telephone base phone book, you can edit the name and number for an entry.

To edit a phone book entry:

#### Using a handset

1. Press **MENU/SEL** when the handset is in the idle mode, then press **MENU/SEL** to enter the **Phone Book** menu.
2. Press the **UP** and **DOWN** NavKeys to highlight an entry to edit, then press **MENU/SEL**.
3. Press the **EDIT** softkey or **MENU/SEL** to edit the entry.
4. See page 68 for instructions on how to edit the name, number, ringer, and picture or animation for a phone book entry.
5. Press the **SAVE** softkey to save the entry. **Entry saved to Phone Book** will appear on the display and then the details of that entry will be shown.

#### Using the telephone base

1. Press the **MENU** softkey when the telephone base is in the idle mode.
2. Press the **SELECT** softkey to enter the **Phone Book** menu.
3. Press the **UP** and **DOWN** NavKeys to highlight an entry to edit, then press the **SELECT** softkey.
4. Press the **EDIT** softkey to edit the entry.
5. See steps 4-6 on page 69 on how to edit the telephone base phone book entry.
6. Press the **SAVE** softkey to save the entry. **Entry saved to Phone Book** will appear on the display and then the details of that entry will be shown.

## Telephone operation

### Delete phone book entries

You can delete a selected phone book entry or the entire phone book for that handset or telephone base.

### Delete one phone book entry

1. Enter the **Phone Book** menu from a handset or the telephone base (see page 66).
2. Press the **UP** or **DOWN** NavKeys to highlight an entry to be deleted.
3. Press **MENU/SEL** on the handset, or press the **SELECT** softkey on the telephone base.
4. Press the **DELETE** softkey.
5. Press **MENU/SEL** on the handset, or press the **SELECT** softkey on the telephone base to delete the entry.

You will hear a confirmation tone and the display will show the name and number of the next alphabetical entry in the phone book.

### Delete all phone book entries

To delete the entire phone book on a handset or on the telephone base:

1. Enter the **Phone Book** menu from a handset or the telephone base (see page 66).
2. Press **MENU/SEL** on the handset, or press the **SELECT** softkey on the telephone base.
3. Press the **DELETE** softkey.
4. Press the **DOWN** NavKey to highlight **Delete All Entries**, then press **MENU/SEL** on the handset or the **SELECT** softkey on the telephone base.
5. Press the **YES** softkey. This will delete all the phone book entries, and the handset or telephone base display will return to the main menu.

### note

- Once a phone book entry is deleted, it cannot be recovered.
- Deleting a phone book entry on one handset or on the telephone base does not affect the phone books on other handsets or the telephone base.

## Telephone operation

### Information about caller ID with call waiting

Your new **LS5146** telephone system supports caller ID services provided by most local telephone service companies. Depending on your service subscription, you may see the caller's number, or the caller's name and number which are sent by the telephone company after the first or second ring. Caller ID allows you to see the name, number, date and time of calls on the **HOME** and **CELL** lines.

Caller ID with call waiting lets you see the name and telephone number of the caller before answering the telephone, even when on another call. In addition, the time and date are sent by the telephone and cellular service providers along with the caller ID information. These services are available only if both you and the caller are in areas offering caller ID service, and if both telephone companies use compatible equipment.

If you simultaneously receive incoming calls on the **HOME** and **CELL** lines, the caller ID screen will divide into two parts. The top part will display the **HOME** caller ID information, while the bottom part the **CELL** caller ID information.

Contact your local telephone company and cellular service provider if:

- You have both caller ID and call waiting, but as separate services (you may need to combine these services).
- You have only caller ID service, or only call waiting service.
- You don't subscribe to any caller ID or call waiting services.

You can use this product with regular caller ID service, or you can use this product's other features without subscribing to either caller ID or combined caller ID with call waiting service.

# Telephone operation

## Call log

In the call log, you can review a list of the 100 most recent incoming calls. Each handset and the telephone base have their own independent call log, meaning that the call log on one handset may be different from the call log on another handset or the telephone base.

To enter the **Call Log** menu:

### Using a handset

- Press the **CALLER ID** softkey when the handset is in idle mode.  
–OR–
- Press **MENU/SEL** when the handset is in idle mode, then press the **UP** and **DOWN** NavKeys to select **Call Log**, then press **MENU/SEL** to enter the call log menu.

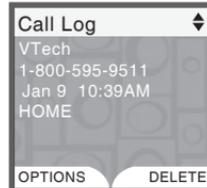
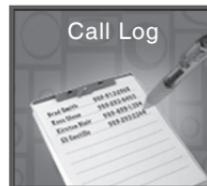
### Using the telephone base

- Press the **CID** (caller ID) softkey when the telephone base is in idle mode.  
–OR–
- Press the **MENU** softkey when the telephone base is in idle mode, then press the **UP** and **DOWN** NavKeys to highlight **Call Log**, then press the **SELECT** softkey to enter the call log menu.

While in the call log menu, you can:

- Save a number to the phone book (page 79).
- Dial a telephone number (page 78).
- Delete a call log entry (page 79).
- Clear the missed calls indication (page 80).

To exit the call log menu, press **OFF/CANCEL** on the handset or **CANCEL** on the telephone base.



## note

- If a Bluetooth cellular device is deleted from the **Paired Devices** list, **CELL** will appear as the name.

## Telephone operation

### Call log information

If you subscribe to caller ID services provided by your local telephone company and/or cellular service provider, the **Call Log** records your incoming calls for both the **HOME** and **CELL** lines.

Although the call log records the caller ID information of both lines, the **CELL** line call log entries only provide the number. The time and date of the call will appear in the call log entry if only the time is set. The Bluetooth name of the cell phone will also appear. However, if the number on the incoming **CELL** call matches a number in the **Phone Book**, the name will be retrieved from the matched phone book entry.

### Memory match

Names in the **Call Log** will only be displayed if the caller ID information is provided by your local telephone company.

If the incoming telephone number matches the last seven digits of a telephone number in the phone book, then the name from the phone book will appear in the call log entry. For example, if **Christine** calls from 555-555-5555, and the phone book entry is **Chris** at 555-5555, then **Chris** will appear in the call log entry.

# Telephone operation

## Review the call log

In the **Call Log**, you may see the following status icons:

- **NEW** - Indicates that the entry is new and it hasn't been reviewed.
- **CW** - Indicates the call was a call waiting call.

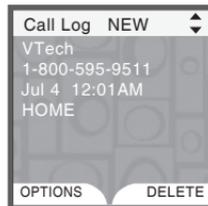
To review the **Call Log**:

1. Enter the **Call Log** menu (see page 75).
2. Press the **DOWN** NavKey to review the most recent to the earliest entries.

In the **Call Log**, you can select the following:

- **OPTIONS** - Allows you to change the dialing options (page 78), save the entry to the phone book (page 79), and clear the missed call indication if you have missed calls (page 80).
- **DELETE** - Allows you to delete the call log entry or all the entries (page 79).

Once you have finished reviewing the **Call Log**, press and hold **OFF/CANCEL** on the handset or **CANCEL** on the telephone base to return to the idle screen.



## note

- When you have new unreviewed calls, **XX Missed Calls** will appear on the display.

## note

- Pressing the # key when reviewing a call log entry also modifies the format as shown on the left.

## Telephone operation

### Dial a call log entry

In the **Call Log**, you can dial a call log entry telephone number on either the **HOME** or **CELL** line.

To dial the call log entry telephone number:

- Enter the **Call Log** menu (see page 75).
- Press the **UP** and **DOWN** NavKeys to select the desired entry.
- Press **HOME/FLASH** or **Ⓜ** on the handset, or **HOME** on the telephone base.

**–OR–**

Press **CELL** on the handset or on the telephone base.

### Dial options

You can change the dialing options of a call log telephone number by using the **OPTIONS** softkey, or by pressing the # key while in the call log.

To select the dialing options of an entry:

- Enter the **Call Log** menu (see page 75).
- Press the **UP** and **DOWN** NavKeys to select a call log entry, then press the **OPTIONS** softkey.
- Press **MENU/SEL** on the handset or press the **SELECT** softkey on the telephone base to select **Dial Options**.
- Press the **UP** and **DOWN** NavKeys to highlight the desired dialing option. If the call log entry shows 800-595-9511, the various dialing options are:  
595-9511  
1-595-9511  
800-595-9511  
1-800-595-9511
- Press **MENU/SEL** on the handset or press the **SELECT** softkey on the telephone base to select the desired dialing option.

The digits of the selected entry will appear as pre-dial digits. You can then save the entry, edit the number, or dial the telephone number.

## Telephone operation

### Save call log entries into the phone book

When viewing a call log entry, you can save the entry into the **Phone Book**.

To save an entry into the **Phone Book**:

1. Enter the **Call Log** menu (page 75).
2. Press the **UP** and **DOWN** NavKeys to select an entry to save to the **Phone Book**, then press the **OPTIONS** softkey.
3. Press the **UP** and **DOWN** NavKeys to highlight **Save to Phone Book**.

#### Using the handset:

- Press **MENU/SEL** to enter the phone book editing menu (see step 7 on page 68).

#### Using the telephone base:

- Press the **SELECT** softkey to save the entry.

### Delete call log entries

In the **Call Log**, you can delete one entry or all of the entries.

To delete entries in the **Call Log**:

1. Enter the **Call Log** menu (see page 75).
2. Press the **UP** and **DOWN** NavKeys to select a call log entry, then press the **DELETE** softkey.
3. Press the **UP** and **DOWN** NavKeys to select the following options:
  - **Delete Entry** - Only deletes the selected call log entry.
  - **Delete All Entries** - Deletes all call log entries in the **Call Log** (see note).
4. Once you have selected an option, press **MENU/SEL** on the handset or press the **SELECT** softkey on the telephone base (see note for exception).

### note

- Deleting an entry on a handset or telephone base will not affect the call logs of the other handset(s) or telephone base.
- If you select **Delete All Entries, Delete all Calls?** will appear on the display. Press the **YES** softkey to delete all entries.

## Telephone operation

### Clear missed calls

You can clear the missed call indication using the call log option on the handset or telephone base. Missed calls refers to unreviewed calls in the **Call Log**.

To clear the missed call indication:

1. Enter the **Call Log** menu (see page 75).
2. Press the **UP** and **DOWN** NavKeys to select a call log entry, then press the **OPTIONS** softkey.
3. Press the **UP** and **DOWN** NavKeys to select **Clear Missed Calls**, then press **MENU/SEL** on the handset or press the **SELECT** softkey on the telephone base. The display will then return to the **Call Log**.

# Telephone operation

## Redial list

The **Redial** list stores up to 20 entries on the handset and telephone base. The first item on the **Redial** list is the most recent telephone number called. From the **Redial** list, you can dial an entry on either the **HOME** or **CELL** line, save the entry into the **Phone Book**, or delete entries.

To enter the **Redial** menu:

1. Press the **REDIAL** softkey when the handset or telephone base is in idle mode.
2. Press the **UP** and **DOWN** NavKeys to highlight a redial entry. You can then:
  - **Dial an entry** - Press **HOME** or **CELL** to dial the telephone number (page 82).
  - **SAVE** - Press this softkey to save the redial entry into the **Phone Book** (page 81).
  - **DELETE** - Press this softkey to delete the selected entry or all the redial entries (page 82).

After an entry has been edited and/or saved, you will hear a confirmation tone and the display will return to the **Redial** list.

To exit the **Redial** list:

- Press and hold **OFF/CANCEL** on the handset or **CANCEL** on the telephone base.

## note

- Changing or deleting an entry on a handset or the telephone base will not affect the redial list on other handset(s) or the telephone base.
- If you dial a number which already exists in the redial list, the previous record will be deleted. A number will only be saved once in the redial list.

## note

- When editing the number, you can also press and hold # to enter a pause.
- Display remains in redial mode after saving the edited redial entry to the phone book.

## Telephone operation

### Dial a redial entry

From the **Redial** list, you can dial a redial entry telephone number using the **HOME** or **CELL** line.

To redial an entry:

1. Press the **REDIAL** softkey when the handset or telephone base is in idle mode.
2. Press the **UP** and **DOWN** NavKeys to select a redial entry.
3. Press **HOME/FLASH** or **Ⓜ** on the handset, or **HOME** on the telephone base.

–OR–

Press **CELL** on the handset or on the telephone base.

### Edit a redial entry

When a redial entry has been selected, you can edit the entry and save it to the phone book or dial the telephone number.

To edit a redial entry:

1. Press the **REDIAL** softkey when the handset or telephone base is in idle mode.
2. Press the **UP** and **DOWN** NavKeys to select a redial entry.
3. Press **MENU/SEL** on the handset or press the **SELECT** softkey on the telephone base to put the selected entry into redial mode.
  - Press **OFF/CANCEL** on the handset or **CANCEL** on the telephone base to delete the last digit.
  - Press the **PAUSE** softkey or press and hold # on the handset or telephone base to enter a dialing pause.
4. Press the **SAVE** softkey to save the entry in the **Phone Book** (see pages 67-69).

# Telephone operation

## Save redial entries into the phone book

In the **Redial** list, you can save the telephone number into the **Phone Book** on a handset or in the telephone base.

To save an entry into the **Phone Book**:

1. Press the **REDIAL** softkey when the handset or telephone base is in idle mode.
2. Press the **UP** and **DOWN** NavKeys to select an entry to save to the **Phone Book**, then press the **SAVE** softkey. You will then be prompted to enter a name.
3. Enter the name (up to 16 characters) by using the dial pad keys (**0-9**). See step 3 on page 67 for more information.
4. Press the **DONE** softkey or **MENU/SEL** on the handset when finished entering the name.  
–OR–  
Press the **DONE** softkey on the telephone base when finished entering the name.
5. If you use the telephone base to save the redial entry, the entry is now stored in the **Phone Book**.  
–OR–  
If you use a handset, press the **SAVE** softkey to store the entry (see step 7 on page 67 to learn more about options on customizing phone book entries).

## note

- If you select **Delete All Entries, Delete all Redial numbers?** will appear on the display. Press the **YES** softkey to delete all entries.

## Telephone operation

### Delete redial entries

From the **Redial** list, you can delete one entry or all of the entries.

To delete entries from the **Redial** list:

1. Press the **REDIAL** softkey when the handset or telephone base is in idle mode.
2. Press the **UP** and **DOWN** NavKeys to select a redial entry, then press the **DELETE** softkey.
3. Press the **UP** and **DOWN** NavKeys to select:
  - **Delete Entry** - Only deletes the selected redial entry.
  - **Delete All Entries** - Deletes all the entries from the **Redial** list (see note).
4. Once you have selected an option, press **MENU/SEL** on the handset or press the **SELECT** softkey on the telephone base (see note for exception).

## Battery

After the battery is fully charged, you can expect the following performance:

Operation	Operating time
While in use (talking)	4.5 hours
While not in use (standby*)	3 days

\*Handset is off the telephone base but not in use.

The battery needs charging when:

- A new battery is installed in the handset.
- The handset beeps when taken off the telephone base.
- The battery indicator on the handset screen is flashing.

### CAUTION:

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

1. Use only the battery provided or equivalent. To order a replacement, visit our website at [www.vtechphones.com](http://www.vtechphones.com) or call 1 (800) 595-9511. In Canada, go to [www.vtechcanada.com](http://www.vtechcanada.com) or call 1 (800) 267-7377.
2. Do not dispose of the battery in a fire. They may explode. Check with local waste management codes for special disposal instructions.
3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
4. Exercise care in handling batteries in order not to create a short circuit with conductive materials such as rings, bracelets, and keys. The battery and/or conductor may overheat and cause burns.
5. 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.

### WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO WATER OR ANY TYPE OF MOISTURE.

## 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 bathtub, kitchen sink, or swimming pool).
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, 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 slots in the base or handset as they may touch dangerous voltage points or create a short circuit 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 because 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 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.
15. Only put the handset of your telephone next to your ear when it is in normal talk mode.
16. This power unit is intended to be correctly oriented in a vertical or floor mount position.

**SAVE THESE INSTRUCTIONS**

## Troubleshooting

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

Problem	Suggestion
<p><b>I cannot pair my cell phone to the telephone base.</b></p>	<ul style="list-style-type: none"> <li>• Make sure the Bluetooth function of your cell phone is turned on. See the user's manual of your cell phone for more information.</li> <li>• Remove the <b>LS5146</b> from your cell phone's handsfree device history list (see the user's manual of your cell phone for more information).</li> <li>• Carefully follow the pairing instructions on page 20, making sure that your cell phone is not connected to any other Bluetooth device(s).</li> <li>• Turn off your cell phone, then turn it on again.</li> <li>• Reset the telephone base. Unplug the unit's electrical power and remove any spare batteries. Wait for approximately 15 seconds, then plug it back in. Repeat the above suggestions.</li> </ul>
<p><b>I cannot pair my headset to the telephone base.</b></p>	<ul style="list-style-type: none"> <li>• 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 in discoverable mode.</li> <li>• Carefully follow the pairing instructions on page 21, making sure that your headset is not connected to any other Bluetooth device(s).</li> <li>• Reset the telephone base. Unplug the unit's electrical power and remove any spare batteries. Wait for approximately 15 seconds, then plug it back in. Repeat the above suggestions.</li> </ul>

## Troubleshooting

Problem	Suggestion
<b>I cannot connect my cell phone with the telephone base.</b>	<ul style="list-style-type: none"><li>• 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.</li><li>• Make sure that your Bluetooth cell phone is not connected to any other Bluetooth device(s).</li><li>• Turn off your cell phone, then turn it on again.</li><li>• Make sure that your cell phone is connected and on the <b>Active Devices</b> list (page 26).</li><li>• For some cell phones, you must authorize the <b>LS5146</b> device in your cell phone's Bluetooth feature. See the user's manual of your cell phone for more information.</li><li>• Manually connect your cell phone to the <b>LS5146</b>. Refer to the user's manual of your cell phone for more information.</li></ul>
<b>I cannot connect my headset with the telephone base.</b>	<ul style="list-style-type: none"><li>• Make sure that your Bluetooth headset is not connected to any other Bluetooth device(s).</li><li>• Make sure that your headset is connected and on the <b>Active Devices</b> list (page 26).</li></ul>

## Troubleshooting

Problem	Suggestion
<p><b>I cannot put my headset in discoverable mode.</b></p>	<ul style="list-style-type: none"> <li>• Refer to the user's manual of your headset for information on how to set your headset in discoverable mode. For many headsets, they are by default in discoverable mode. For other headsets, you may have to turn on the headset and <u>press and hold</u> the call button for a certain time period.</li> <li>• Make sure that the headset is not connected to any other device(s) in order to successfully pair and connect to the telephone base.</li> <li>• Carefully follow the pairing process on page 21.</li> <li>• Reset the telephone base. Unplug the unit's electrical power. Wait for approximately 15 seconds, then plug it back in. Repeat the above suggestions.</li> </ul>
<p><b>I cannot find the LS5146 on my cell.</b></p>	<ul style="list-style-type: none"> <li>• Make sure that the telephone base is in discoverable mode. Carefully follow the setup instructions on page 20.</li> <li>• Make sure that you manually set your cell phone to find or search for devices.</li> <li>• Remove the <b>LS5146</b> from your cell phone's handsfree device history list (see the user's manual of your cell phone for more information).</li> <li>• Turn off your cell phone, then turn it on again.</li> <li>• Reset the telephone base. Unplug the unit's electrical power and remove any spare batteries. Wait for approximately 15 seconds, then plug it back in. Repeat the above suggestions.</li> </ul>
<p><b>I don't know how to search for or add new devices on my cell phone.</b></p>	<ul style="list-style-type: none"> <li>• Most cell phones have the Bluetooth feature in the connection or setup menus. Please refer to the user's manual of your cell phone.</li> <li>• 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.</li> </ul>

## Troubleshooting

Problem	Suggestion
<b>My cell phone disconnects with the telephone base.</b>	<ul style="list-style-type: none"><li>• Turn off your cell phone, then turn it on again.</li><li>• Make sure that you are not using your cell phone when on a <b>CELL</b> call.</li><li>• Verify that the <b>LS5146</b> is an authorized device on your cell phone and is allowed to connect automatically without confirmation (refer to user's manual of your cell phone for more information).</li></ul>
<b>My cell phone is connected to the telephone base, but I cannot make a CELL call.</b>	<ul style="list-style-type: none"><li>• Make sure that your cell phone is connected and on the <b>Active Devices</b> list (page 26) and it is in idle mode when you are trying to make a <b>CELL</b> call.</li><li>• Make sure that your cell phone is compatible.</li><li>• For some smartphones, make sure that the cellular function is turned on.</li></ul>
<b>Bluetooth System Busy appears on the display.</b>	<ul style="list-style-type: none"><li>• Make sure that your cell phone is in idle mode when connected and on the <b>Active Devices</b> list.</li><li>• Make sure that your cell phone or headset is not connected to any other Bluetooth device.</li><li>• The <b>LS5146</b> can only use one Bluetooth device at a time.</li></ul>
<b>The PIN on the telephone base does not work.</b>	<ul style="list-style-type: none"><li>• The default PIN is <b>0000</b>.</li><li>• If you change the PIN on the telephone base, it will appear on the telephone base display in the pairing process.</li></ul>
<b>I cannot hear any audio on my telephone system when on a CELL call.</b>	<ul style="list-style-type: none"><li>• Reset the telephone base. Unplug the unit's electrical power and remove any spare batteries. Wait for approximately 15 seconds, then plug it back in.</li><li>• Turn off your cell phone, then turn it on again.</li></ul>

## Troubleshooting

Problem	Suggestion
<p><b>My telephone system does not work at all.</b></p>	<ul style="list-style-type: none"> <li>• Make sure the handset battery is installed and charged correctly (see page 3). For optimum daily performance, return the handset to the telephone base after use.</li> <li>• Make sure the power adapter is securely plugged into an outlet not controlled by a wall switch.</li> <li>• Make sure the telephone line cord is plugged firmly into the telephone base and the telephone wall jack.</li> <li>• Reset the telephone base. Unplug the unit's electrical power and remove any spare batteries. Wait for approximately 15 seconds, then plug it back in. Allow up to one minute for the handset and telephone base to reset.</li> <li>• Remove and re-insert the battery. If that still does not work, it may be necessary to purchase a new battery.</li> </ul>
<p><b>There is no dial tone.</b></p>	<ul style="list-style-type: none"> <li>• First, try all the above suggestions.</li> <li>• Move the handset closer to the telephone base. It might be out of range.</li> <li>• The telephone line cord might be malfunctioning. Try installing a new telephone line cord.</li> <li>• Disconnect the telephone base from the telephone jack and connect a different telephone. If there is no dial tone on that telephone either, the problem is in your wiring or local service. Contact your local telephone company.</li> </ul>

## Troubleshooting

Problem	Suggestion
<b>The battery does not charge in the handset or Low Battery is constantly displayed on the handset.</b>	<ul style="list-style-type: none"><li>• Make sure the handset is placed in the telephone base or charger correctly. The <b>CHARGE</b> light on the handset should be on.</li><li>• Remove the battery from the handset and install it in the spare battery compartment at the bottom of the telephone base and let it charge for up to 24 hours. Then re-install the charged battery into the handset.</li><li>• If the handset is in the charger or in the telephone base but the <b>CHARGE</b> light is not on, refer to <b>The CHARGE light is off</b> in the section below.</li><li>• It may be necessary to purchase a new battery. Please refer to the <b>Battery</b> section of this user's manual.</li><li>• The telephone might be malfunctioning. Please refer to the <b>Warranty</b> section of this user's manual for further instruction.</li></ul>

## Troubleshooting

Problem	Suggestion
<b>The telephone does not ring when there is an incoming call.</b>	<ul style="list-style-type: none"><li>• Make sure the ringer is on. (See page 36 for the handset and page 50 for telephone base ringer volume).</li><li>• Make sure the telephone line cord and power adapter are plugged in properly (page 5).</li><li>• The handset may be too far from the telephone base. Move it closer to the telephone base.</li><li>• There may be too many extension phones on the telephone line to allow all of them to ring simultaneously. Try unplugging some of them.</li><li>• If the other telephones in your home are having the same problem, the problem is in the wiring or local service. Contact the local telephone company (charges may apply).</li><li>• Other electronic products can cause interference to your cordless telephone. Try installing your telephone as far away as possible from the following electronic devices: wireless routers, radios, radio towers, pager towers, intercoms, room monitors, televisions, VCRs, personal computers, kitchen appliances, and other cordless telephones.</li><li>• Test a working telephone at the telephone jack. If another telephone has the same problem, the problem is in the telephone jack. Contact your local telephone company (charges may apply).</li><li>• The telephone line cord might be malfunctioning. Try installing a new telephone line cord.</li><li>• Re-install the battery and place the handset in the telephone base.</li><li>• Wait for the handset to synchronize with the telephone base. Allow up to one minute for this to take place.</li></ul>

## Troubleshooting

Problem	Suggestion
<b>I cannot dial out.</b>	<ul style="list-style-type: none"><li>• Make sure there is a dial tone before dialing on the <b>HOME</b> line. 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.</li><li>• If the other telephones in your home are having the same problem, the problem is in the wiring or local service. Contact your local telephone company (charges may apply).</li><li>• Eliminate any background noise. Noise from a television, radio, or other appliances may cause the telephone to not dial out properly. If you cannot eliminate the background noise, first try muting the cordless handset before dialing, or dialing from another room in your home with less background noise.</li></ul>

## Troubleshooting

Problem	Suggestion
<p><b>There is interference during a telephone conversation.</b></p> <p><b>-OR-</b></p> <p><b>My calls fade out or cut in and out when I am using the handset.</b></p>	<ul style="list-style-type: none"> <li>• The handset may be out of range. Move it closer to the telephone base.</li> <li>• Appliances or other cordless telephones plugged into the same circuit as the telephone base can cause interference. Try moving the appliances or telephone base to another outlet.</li> <li>• Other electronic products can cause interference to your telephone. Try installing your telephone as far away as possible from the following electronic devices: wireless routers, radios, radio towers, pager towers, intercoms, room monitors, televisions, VCRs, personal computers, kitchen appliances, and other cordless telephones.</li> <li>• Microwave ovens operate on the same frequency as your telephone. It is normal to experience static on your telephone while the microwave oven is in operation. Do not install this telephone in the same outlet or near a microwave oven.</li> <li>• 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 solves the problem, re-locate your telephone or modem farther apart from each other, or use a different surge protector.</li> <li>• The location of your telephone base can impact the performance of your cordless phone. For better reception, install the base in a centralized location within your home or office, away from walls or other obstructions. In many environments, elevating the base will improve overall performance.</li> <li>• Disconnect the telephone base from the telephone jack and plug in a corded telephone. If calls are still not clear, the problem is probably in the wiring or local service. Contact your local service company (charges may apply).</li> <li>• Do you have DSL service? If yes, you need to have a DSL filter installed at every telephone jack with a telephone connected to it. Contact your DSL service provider for filter information.</li> </ul>

## Troubleshooting

Problem	Suggestion
<b>I hear other calls when using the telephone.</b>	<ul style="list-style-type: none"><li>• Disconnect the telephone base from the telephone jack. Plug in a different telephone. If you still hear other calls, the problem is probably in the wiring or local service. Call your local telephone company.</li></ul>
<b>The CHARGE light is off.</b>	<ul style="list-style-type: none"><li>• Clean the charging contacts on the cordless handset(s) and telephone base each month using a pencil eraser or a dry non-abrasive fabric.</li><li>• Make sure the power adapter and telephone line cords are plugged in correctly and securely.</li><li>• Unplug the power adapter. Wait for 15 seconds before plugging it back in. Allow up to one minute for the cordless handset and telephone base to reset.</li><li>• The telephone might be malfunctioning. Please refer to the <b>Warranty</b> section of this user's manual for further instruction (page 100).</li></ul>
<b>Registration failed appears on the handset display.</b>	<ul style="list-style-type: none"><li>• Only one handset can be registered at a time. If you have multiple handsets to register, please follow the step on page 7 for the first handset. Once a handset has been successfully registered, repeat the steps for each handset that needs to be registered.</li><li>• Make sure that the telephone base and handset(s) are in idle mode when registering a handset (page 7).</li><li>• Follow the steps on page 98 for the common cure for electronic equipment, then try again to register a handset.</li></ul>

## Troubleshooting

Problem	Suggestion
<p><b>My caller ID features are not working properly.</b></p>	<ul style="list-style-type: none"> <li>• Caller ID is a subscription service. You must subscribe to this service from your local telephone company for this feature to work on your telephone.</li> <li>• The caller may not be calling from an area which supports caller ID.</li> <li>• Both you and the caller's telephone companies must use equipment which are compatible with caller ID service.</li> <li>• If you subscribe to DSL service, install a noise filter to the telephone line between the telephone base and the telephone line jack. Contact your DSL service provider for filter information.</li> </ul>
<p><b>The system does not receive caller ID or the system does not display caller ID during call waiting.</b></p>	<ul style="list-style-type: none"> <li>• Make sure you subscribe to caller ID with call waiting feature services provided by the local telephone company.</li> <li>• The caller may not be calling from an area which supports caller ID.</li> <li>• Both you and the caller's telephone companies must use equipment which are compatible with caller ID service.</li> <li>• If you subscribe to DSL service, install a DSL filter to the telephone line between the telephone base and the telephone line jack. Contact your DSL service provider for filter information.</li> </ul>
<p><b>I am having trouble using the voice mail feature.</b></p>	<ul style="list-style-type: none"> <li>• Make sure that your voice mail access telephone number and PIN or password (if necessary) are correctly programmed into the telephone base (see page 45).</li> <li>• Refer to your voice mail documentation for a complete list of voice mail codes.</li> <li>• Please contact your local voice mail service provider for more information about using voice mail.</li> </ul>

## Troubleshooting

Problem	Suggestion
<b>My screen displays No code set for Voice Mail access or No code set when I try to access my voice mail.</b>	<ul style="list-style-type: none"><li>• Make sure that your voice mail access telephone number and PIN or password (if necessary) are correctly programmed into the telephone base (see page 45).</li><li>• Refer to your voice mail documentation for a complete list of voice mail codes.</li></ul>
<b>Common cure for electronic equipment.</b>	<ul style="list-style-type: none"><li>• If the telephone is not responding normally, try putting the cordless handset in the telephone base or the charger. If it does not seem to respond, try the following (in the order listed):</li><li>• Disconnect the power to the telephone base.</li><li>• Disconnect the battery on the handset and the spare battery in the telephone base.</li><li>• Wait a few minutes before connecting power to the telephone base.</li><li>• Re-install the battery and place the handset into the telephone base or charger.</li><li>• Wait for the handset to synchronize its connection with the telephone base. Allow up to one minute for this to take place.</li></ul>

## 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 will display **Searching for Base....** The user can access the handset phone book and certain parts of the menu system. **Still searching for Base** will be displayed if access is denied.

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 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 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 the telephone base should fall into the 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.

# 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 or 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 will often reduce or eliminate the interference.
- **Rechargeable Batteries:** This product contains either Nickel-Cadmium or Nickel-Metal Hydride 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. Like other batteries of this type, if burned or punctured, they could release caustic material which could cause injury.

## 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 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

## Warranty

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 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.

### How do you get warranty service?

To obtain warranty service in the United States of America, please call 1 (800) 595-9511. In Canada, please call 1 (800) 267-7377. NOTE: Before calling for service, please review 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 the Product(s) to the service location. VTech will return repaired or replaced Product under this limited warranty to you. 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 "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/Provincial Law Rights: This 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.**

# 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.

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. If you choose to use a clipping device, please make sure to only use the supplied VTech belt clip.

## 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 local telephone company 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 local telephone company.

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 company or a qualified installer.

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.

## FCC, ACTA and IC regulations

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.

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

This equipment complies with regulations RSS210 and CS-03 of Industry 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.

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.

## The RBRC® seal



The RBRC® seal on the nickel-metal-hydrate 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-hydrate 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.**

## Technical specifications

---

Operating frequency	Cordless system: 5.725-5.850 GHz Bluetooth system: 2.400-2.4835 GHz
Nominal effective range	Maximum power allowed by FCC and IC. Actual operating range may vary according to environmental conditions at the time of use.
Power requirements	Handset: 3.6V 550mAh NiMH battery Telephone base: DC 7V@ 800mA
Memory	Phonebook: 100 memory locations; up to 32 digits and 16 characters per location Call log: 100 memory locations; up to 16 digits and 16 characters per location

---

# Index

- A**
  - About cordless telephones 100
  - Active devices 26
  - Add an active device 28
  - Add new handsets 7
  - Adjust the listening volume 59
  
- B**
  - Battery 3, 85
  - Bluetooth 16
  - Bluetooth headset 54
  - Bluetooth setup 19
  
- C**
  - Call log 75, 76
  - Call waiting 56, 58, 63, 74
  - Change the PIN 29
  - Clear missed calls 80
  - Clear voice mail 33, 45
  - Conference calls 62
  - Create a new phone book entry 67
  
- D**
  - Default settings (restore settings) 34, 47
  - Delete paired device 24, 25
  - Delete a ringer melody 37
  - Delete call log entries 79
  - Delete handsets 48
  - Delete phone book entries 73
  - Delete redial entries 84
  - Delete registration 34
  - Dial a call log entry 78
  - Dial a phone book entry 71
  - Dial a redial entry 82
  - Dialing options 78
  - Display contrast 33, 41, 44
  - DSL filter 5, 95, 97
  
- E**
  - Edit a phone book entry 72
  - Edit a redial entry 82
  - Edit handset name 31
  - Expand your telephone system 6
  
- F**
  - FCC, ACTA and IC regulations 102
  
- G**
  - Getting started 1

# Index

## H

- Handset animations 40
- Handset layout 8
- Handset main menu 12
- Handset pictures 39
- Handset ringers 35
- Handset settings 30
- Handset status icons 10
- Hold 60

## I

- Important safety instructions 86
- Index 105
- Information about caller ID with call waiting 74
- Installation setup 2
- Intercom 63

## K

- Keypad tone 32, 43

## L

- Language 32, 43
- LCD contrast 33, 44

## M

- Maintenance 99
- Make a cell call 57
- Make a home call 53
- Manage your devices 23
- Memory match 76
- Mute 60

## O

- Operating range 99

## P

- Paired devices 23
- Parts checklist 1
- Phone book 66
- Pictures menu 39

## R

- Receive a cell call 58, 61
- Receive a home call 55, 61
- Record a new ringer 38
- Redial list 81
- Remove an active device 28
- Rename a paired device 23
- Replace an active device 27
- Review the call log 77
- Ringer melody 37, 51
- Ringer volume 36, 50

## **S**

- Save call log entries into the phone book 79
- Save redial entries into the phone book 83
- Search for phone book entries 70
- Set date 42
- Set time 42
- Set up cellular 20
- Set up headset 21
- Show handset name 31
- Silence the ringers 59
- Spare battery 4

## **T**

- Technical specifications 104
- Telephone base installation 5
- Telephone base layout 9
- Telephone base main menu 14
- Telephone base ringers 49
- Telephone base settings 41
- Telephone base status icons 11
- Telephone operation 52
- The RBRC® seal 103
- Troubleshooting 87

## **V**

- View device information 25
- Voice mail 65
- Voice mail codes 45
- Volume 36, 50, 59

## **W**

- Warranty 100

VTECH TELECOMMUNICATIONS LTD.

A member of THE VTECH GROUP OF COMPANIES.

Distributed in the U.S.A. by VTech Communications, Inc., Beaverton, Oregon

Distributed in Canada by VTech Technologies Canada, Ltd., Richmond, B.C.

Copyright ©2008 for VTECH TELECOMMUNICATIONS LTD.

Printed in China.

91-001434-010-100

# vtech®

Innovation Beyond Technology™



## User's manual

[www.vtechphones.com](http://www.vtechphones.com)

Model: LS5146

 **Bluetooth**

**5.8**  
Digital