



VSP605

Range Extender

for use with VTech ErisTerminal®

SIP DECT Base Station and Cordless Handsets

## Quick Start Guide



# Important Safety Information



This symbol is to alert you to important operating or servicing instructions that may appear on the product or in this user's manual. Always follow basic safety precautions when using this product to reduce the risk of injury, fire, or electric shock.

## Important Safety Instructions

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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, swimming pool) or in humid areas.
5. Do not overload wall outlets and extension cords, as this can result in the risk of fire or electric shock.
6. Unplug this product from the wall outlet and refer servicing to VTech under the following conditions:
  - When the power supply cord or plug is damaged or frayed.
  - If the product does not operate normally by following the operating instructions.
  - If the product has been dropped and the cabinet has been damaged.
  - If the product exhibits a distinct change in performance.
7. Do not place this product on an unstable cart, stand, or table. The product can fall, causing serious damage to the unit.
8. To protect the product from overheating, do not block or cover any slots or openings in the base unit. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless the proper ventilation is provided.
9. This product should be operated only from the type of power source indicated on the marking label.
10. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be damaged by people walking on it.

11. Never push objects of any kind into this product through the unit slots, as they may touch dangerous voltage points or short-out parts that could result in a risk of fire or electrical shock. Never spill liquid of any kind on the product.
12. Use only the AC power adapters supplied with this product.
13. For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

## **SAVE THESE INSTRUCTIONS**

## **FCC part 15**

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

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

**WARNING:** 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.

**CAUTION:** To maintain the compliance with the FCC's RF exposure guideline, place the base unit at least 20 cm from nearby persons.

## **Industry Canada**

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This Class B digital apparatus complies with Canadian requirements:  
CAN ICES-3 (B)/NMB-3(B).

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with Industry Canada licence-exempt RSS standard(s).

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

Privacy of communications may not be ensured when using this telephone.

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

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

## About this Guide

This Quick Start Guide provides you with basic installation and use instructions. A limited set of features are described in abbreviated form.

For customer service or product information, visit our website at **businessphones.vtech.com** or call **1 (888) 370-2006**.

## Introduction

The Range Extender lets you extend the coverage area of your telephone system in all directions, including up and down.

When registered to the VSP600 SIP DECT Base Station, and the Range Extender's coverage area overlaps the coverage area of the Base Station, the Base Station can hand off calls to the Range Extender as the user moves from one coverage area to another.

When connected to the Range Extender, the cordless handset operates in exactly the same way as it does when connected to the Base Station. The hand off from the Base Station to the Range Extender should be seamless, even during an active call.

## Parts Checklist

- Range Extender
- Power adapter
- Quick Start Guide

# Getting Started

## Location

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To get the best operating conditions for the Range Extender, it is important to place it correctly. Here are a few tips for placing the Range Extender:

- Place the Range Extender as high as possible, but at least 6 feet (2 meters) off the ground.
- Make sure you have good reception from the Base Station.
- Make sure the location is close to a corresponding electrical outlet. Never install electrical cords across a traffic area; they can create a trip hazard or become damaged and create a fire or electrical hazard.
- Allow at least 36 feet (11 meters) between Range Extenders (if you are installing the Range Extenders across multiple floors, remember to allow 36 feet [11 meters] vertically as well).
- Avoid sources of electrical interference, such as hi-fi systems, office equipment or microwave ovens.
- Avoid heat sources and direct sunlight.
- Avoid things that can interfere with radio signals, such as metal doors, thick walls, niches and cupboards.

## Map the Base Station Coverage

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To find the best location for the Range Extender, you need to determine the Base Station coverage area.

1. Stand near the Base Station and make a call.
2. Walk away from the Base Station with the handset.
3. Make a note of where the signal becomes weaker.

**NOTE:** The optimum location for the Range Extender is as far from the Base Station as possible while still maintaining a “good” signal, or just inside the location where the signal became weaker.

## Test the Location

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1. Register the Range Extender to the Base Station. See “Registration” on page 9.
2. Hold the Range Extender in the place where you plan to mount it. The LED should remain on and steady, indicating that the Range Extender has a good signal from the Base Station.

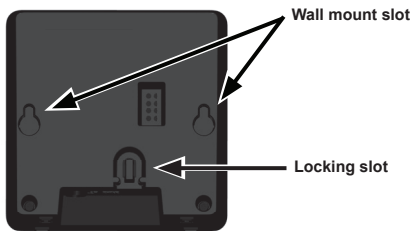
# Connect

## Install your Range Extender

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Plug the AC adapter into the Range Extender in its final location, and then plug the other end into the electrical outlet wall socket and switch the power on.

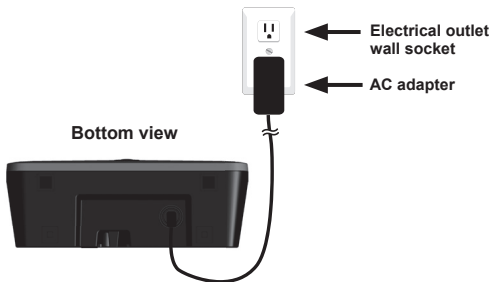
Or if you want to mount the Range Extender on a wall:



Back view

1. Plug the AC adapter into the Range Extender, thread the cable through the locking slot (ensuring the cable does not protrude and prevent the unit from fitting flush against the wall) and then bundle the power cable with a twist tie.
2. Test the signal strength in the final location as described in "Getting Started" on page 6, and then install two wall-mount screws in the wall.
3. Put the wall mount slot on the back of the Range Extender over the screw heads and slide the Range Extender down into place.

**NOTE:** Be sure the wall material can hold the weight of the Range Extender. Never install a Range Extender in damaged or decaying wall material.



Bottom view

# Overview

## Overview of the Range Extender

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### 1. Setup Button Combined with LED Indicator

The  button initiates the registration/deregistration process.

The LED indicator shows the link or usage status of the Range Extender.

| LED       |              | Description                                                        |
|-----------|--------------|--------------------------------------------------------------------|
| Colour    | Pattern      |                                                                    |
| -         | -            | Powered off.                                                       |
| Red/Green | Toggle       | The Range Extender is in registration mode.                        |
| Green     | Triple Flash | Registration is completed successfully.                            |
| Green     | Steady On    | Good link to the Base Station.                                     |
| Yellow    | Steady On    | Weak link to the Base Station.                                     |
| Red       | Slow Flash   | No link to the Base Station.                                       |
| Green     | Double Flash | The Range Extender is in use with a good link to the Base Station. |
| Yellow    | Double Flash | The Range Extender is in use with a weak link to the Base Station. |

# Registration

## Enable Repeater Mode on the SIP DECT Base Station:

Follow the instructions below to enable your VTech ErisTerminal SIP DECT Base Station to connect to the VSP605 Range Extender.

1. Open the Web User Interface (WebUI) for the SIP DECT Base Station.
2. Go to the **System > Repeater Mode** page.
3. Select the **Enable Repeater Mode** checkbox, and then click **Save**.

**NOTE:** Changing this setting will reboot your SIP DECT Base Station.

## Register the Range Extender to the SIP DECT Base Station:

Follow the instructions below to register the VSP605 Range Extender to your VTech ErisTerminal SIP DECT Base Station.

Make sure the Range Extender is not connected to AC power before registering.

You can register up to five Range Extenders per Base Station.

1. Set the Base Station into registration mode: press the HANDSET LOCATOR button for at least four seconds, and then release the button. Both LEDs on the base station begin to flash.
2. Use the AC adapter to connect the Range Extender to an electrical socket.
3. Press and hold the  button for 5 seconds. The Range Extender will start the registration to the Base Station.

**NOTE:** The registration mode of the Range Extender may last for 30 minutes.

## Connect a Range Extender to another Range Extender in Cascade Mode:

You can connect up to two Range Extenders in series between a VTech ErisTerminal SIP DECT Base Station and Handset. This connection is called Cascade Mode.

Follow the instructions below to connect two VSP605 Range Extenders in Cascade Mode.

1. Register all of your Range Extenders to the Base Station (as described in **“Register the Range Extender to the SIP DECT Base Station”**, above).
2. Take one of the Range Extenders to a location where it is far enough away from the Base Station, but close to a Range Extender to get a Cascade Mode connection.
3. Use the AC adapter to connect the Range Extender to an electrical socket.

## Troubleshooting

| <b>Problem</b>                                                                                                            | <b>Solutions</b>                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The LED on the Range Extender won't stop flashing.                                                                        | <ul style="list-style-type: none"><li>• Move the Range Extender closer to the Base Station.</li><li>• Check for interference from electronic devices.</li><li>• Make sure the Range Extender is not too close to metal objects or thick walls.</li></ul> |
| Calls will not hand over to the Range Extender.                                                                           | <ul style="list-style-type: none"><li>• Make sure the Range Extender is within the Base Station's good signal range.</li><li>• Make sure there are at least 11 meters between Range Extenders.</li></ul>                                                 |
| I used to be able to connect to the Base Station, but now I cannot.                                                       | <ul style="list-style-type: none"><li>• Make sure the Range Extender is powered on.</li><li>• Move the Range Extender closer to the Base Station and register it again.</li></ul>                                                                        |
| The audio quality is very poor or noisy when receiving a call.                                                            | The signal connection is very poor. Try to find another location where the signal to the Base Station is better.                                                                                                                                         |
| Calls lost or audio becomes poor when moving from the Base Station reception range to the Range Extender reception range. | You may be moving out of the Base Station or Range Extender reception range, or are in a blind spot. Move towards the Base Station or Range Extender.                                                                                                    |

## Technical Specifications

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Standards                 | Digital Enhanced Cordless Telecommunication (DECT) |
| RF Frequency Band         | 1921.536–1928.448 MHz                              |
| Number of Channels        | 5                                                  |
| AC Adapter Output Voltage | 6.0V DC 450mA                                      |

## Disposal Warning

1. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products/battery should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance/battery will help prevent potential negative consequences for the environment and human health.



For more detailed information about disposal of your old appliance/battery, please contact your city office, waste disposal service or the shop where you purchased the product.

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