ErisTerminal® SIP DECT Base Station and Cordless Deskset
VSP600
VSP608
User Guide
Congratulations on your purchase of this VTech product. Before using this product, please read **Important Safety Information** on page 4 of this manual. Please thoroughly read this user’s manual for all the feature operations and troubleshooting information necessary to install and operate your product. You can also visit our website at [businessphones.vtech.com](http://businessphones.vtech.com) or call 1 (888) 370-2006.

Please note the serial number of your product, which can be found on the bottom of the base station. Save your sales receipt and original packaging in case it is necessary to return your telephone for warranty service.
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

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. This product should be installed by a qualified technician.
2. This product should only be connected to the host equipment and never directly to the network such as Public Switch Telephone Network (PSTN) or Plain Old Telephone Services (POTS).
3. Read and understand all instructions.
4. Follow all warnings and instructions marked on the product.
5. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
6. Do not use this product near water such as near a bath tub, wash bowl, kitchen sink, laundry tub or swimming pool, or in a wet basement or shower.
7. Do not place this product on an unstable table, shelf, stand or other unstable surfaces.
8. Slots and openings in the back or bottom of the base station and deskset 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.
9. 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 supplied at the premises, consult your dealer or local power company.
10. Do not allow anything to rest on the power cord. Do not install this product where the cord may be walked on.
11. Never push objects of any kind into this product through the slots in the base station or deskset because they may touch dangerous voltage points or create a short circuit. Never spill liquid of any kind on the product.
12. 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 station or deskset 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.

13. Do not overload wall outlets and extension cords.

14. 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 base station and/or deskset has been damaged.
   F. If the product exhibits a distinct change in performance.

15. Avoid using a telephone (other than cordless) during an electrical storm. There is a remote risk of electric shock from lightning.

16. Do not use the telephone to report a gas leak in the vicinity of the leak. Under certain circumstances, a spark may be created when the adapter is plugged into the power outlet. This is a common event associated with the closing of any electrical circuit. The user should not plug the phone into a power outlet, if the phone is located in an environment containing concentrations of flammable or flame-supporting gases, unless there is adequate ventilation. A spark in such an environment could create a fire or explosion. Such environments might include: medical use of oxygen without adequate ventilation; industrial gases (cleaning solvents; gasoline vapors; etc.); a leak of natural gas; etc.

17. The power adapters are intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

18. Use only the power cord indicated in this manual.

19. For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.
20. In wall mounting position, make sure to mount the telephone base on the wall by aligning the eyelets with the mounting studs of the wall plate. Then slide the telephone base down on both mounting studs until it locks into place. Refer to the full installation instructions in “Deskset Installation” on page 18 in this User Guide.

21. CAUTION: Keep small metallic objects such as pins and staples away from the deskset receiver.

SAVE THESE INSTRUCTIONS
Compliance

FCC part 15

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.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at the user’s expense.

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

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.

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 CAN ICES-3 (B)/NMB-3(B) du Canada.

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

Industry Canada

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, 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.
# ErisTerminal SIP DECT Base Station and Cordless Deskset

## VSP600

## VSP608

## Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Important Safety Information</td>
<td>4</td>
</tr>
<tr>
<td>Introduction</td>
<td>10</td>
</tr>
<tr>
<td>Introduction (About this guide)</td>
<td>10</td>
</tr>
<tr>
<td>Product overview</td>
<td>10</td>
</tr>
<tr>
<td>Quick Reference Guide</td>
<td></td>
</tr>
<tr>
<td>Base station external features</td>
<td>11</td>
</tr>
<tr>
<td>Cordless deskset external features</td>
<td>12</td>
</tr>
<tr>
<td>Directory card</td>
<td>14</td>
</tr>
<tr>
<td>Base Station Installation</td>
<td></td>
</tr>
<tr>
<td>Deskset Installation</td>
<td></td>
</tr>
<tr>
<td>Installing the backup battery</td>
<td>18</td>
</tr>
<tr>
<td>Battery charging</td>
<td>19</td>
</tr>
<tr>
<td>Installing the deskset</td>
<td>20</td>
</tr>
<tr>
<td>Wall mounting the deskset</td>
<td>22</td>
</tr>
<tr>
<td>Adding a corded headset</td>
<td>23</td>
</tr>
<tr>
<td>Registering the deskset to the base</td>
<td>24</td>
</tr>
<tr>
<td>Deregistering the deskset</td>
<td>25</td>
</tr>
<tr>
<td>Locating the Deskset</td>
<td></td>
</tr>
<tr>
<td>Screen icons</td>
<td></td>
</tr>
<tr>
<td>Using the Deskset</td>
<td></td>
</tr>
<tr>
<td>Idle screen</td>
<td>27</td>
</tr>
<tr>
<td>Making calls</td>
<td>27</td>
</tr>
<tr>
<td>Answering calls</td>
<td>28</td>
</tr>
<tr>
<td>Putting a call on hold</td>
<td>29</td>
</tr>
<tr>
<td>Switching between two calls</td>
<td>29</td>
</tr>
<tr>
<td>Transferring a call</td>
<td>30</td>
</tr>
<tr>
<td>Setting up a conference call</td>
<td>30</td>
</tr>
<tr>
<td>Listening to messages</td>
<td>31</td>
</tr>
<tr>
<td>Using the Directory</td>
<td>32</td>
</tr>
<tr>
<td>Using the Call History</td>
<td>33</td>
</tr>
<tr>
<td>Using Speed Dial</td>
<td>35</td>
</tr>
<tr>
<td>Configuring the Deskset</td>
<td></td>
</tr>
<tr>
<td>Setting Do Not Disturb</td>
<td>37</td>
</tr>
<tr>
<td>Setting call forwarding</td>
<td>37</td>
</tr>
<tr>
<td>Blocking anonymous calls</td>
<td>38</td>
</tr>
<tr>
<td>Dialing anonymously</td>
<td>38</td>
</tr>
<tr>
<td>Setting missed-call alerts</td>
<td>39</td>
</tr>
<tr>
<td>Setting call waiting</td>
<td>39</td>
</tr>
<tr>
<td>Viewing deskset status</td>
<td>39</td>
</tr>
<tr>
<td>Setting the language</td>
<td>40</td>
</tr>
<tr>
<td>Setting the date and time</td>
<td>40</td>
</tr>
<tr>
<td>Setting the deskset name</td>
<td>40</td>
</tr>
<tr>
<td>Setting the screen contrast</td>
<td>40</td>
</tr>
<tr>
<td>Backlight</td>
<td>41</td>
</tr>
<tr>
<td>Setting the ringer tone and volume</td>
<td>41</td>
</tr>
<tr>
<td>Setting audio mode</td>
<td>42</td>
</tr>
<tr>
<td>Turning low battery tone on or off</td>
<td>42</td>
</tr>
<tr>
<td>Turning link lost tone on or off</td>
<td>42</td>
</tr>
<tr>
<td>Turning key tones on or off</td>
<td>42</td>
</tr>
<tr>
<td>Registering or deregistering your deskset</td>
<td>42</td>
</tr>
</tbody>
</table>
WebUI
Using the WebUI ......................... 43
System Status .............................. 45
Deskset Status ............................. 46
Call Settings ............................... 46
User Preferences ........................... 48
Base Directory ............................. 49
Blacklist .................................... 51
Security ..................................... 52

Troubleshooting
General issues .............................. 53

Technical Specifications

Special characters
Entering special characters ............. 54

Maintenance
Taking care of your telephone ........ 55

GPL License Information
GPL code requests ....................... 56
Introduction

About this guide

This user guide provides information about the external features of the base station and deskset, installation and deskset configuration instructions, and detailed instructions for using the deskset. Please read this user’s manual before using your deskset.

Please refer to the VSP600/VSP601 Administrator and Provisioning Manual for complete configuration instructions. You can download the guide from businessphones.vtech.com.

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

Product overview

The VTech VSP600 base station and VSP608 cordless deskset is a full-featured SIP endpoint business phone system designed to work with popular hosted IP PBX services and on-premise SIP PBXs. Once you have ordered and configured your PBX service, the deskset enables you to make and receive calls as you would with any other business phone. Up to six cordless devices (VSP608 cordless desksets and/or VSP601 cordless handsets) can be registered to the base station. Each deskset provides calling features such as hold, transfer, conferencing, and speakerphone.

The VSP608 cordless deskset features include:

- Orbitlink Wireless Technology™
- Backlit Liquid Crystal Display
- Speakerphone, Hold and Mute
- Up to 6 SIP lines/accounts
- Up to 4 concurrent calls across all desksets
- 3-way conferencing
- Corded headset support
- 200-entry local directory
Quick Reference Guide

Base station external features

Antenna

Wall mount slot (on top)

Handset Locator (Page) button
Press to ring the desksets. Press and hold to register a deskset.

Power LED
Flashes when joining the network or when registering/deregistering a deskset. Steady when power is connected and an IP address is acquired.

VoIP LED
Flashes when registering/deregistering a deskset. Steady when all SIP accounts are registered. Off when a SIP account is not registered.

DC adapter input

Reset button
Depress button for 15 seconds to restore factory defaults. If the reset is successful, the VoIP LED will flash slowly.

Ethernet port
Front

Rear
Quick Reference Guide

Cordless deskset external features

**DND (Do not disturb)**
Press once to turn the feature on. Press again to turn off.

**DIRECTORY**
Press to view directory information.

**CALL HISTORY**
Press to view call history.

**REDIAL**
Press to redial a number.

**DIAL PAD**

**MUTE**
During a call, press to prevent your voice from being heard.

**INTERCOM**
Press to start making an intercom call to one device.

**INT ALL**
Press to start making an intercom call to all devices.

**VOL ▲ ▼**
During a call, press to adjust the listening volume. During message playback, press to adjust the playback volume. Press to adjust the ringer volume when in idle mode.

**SELECT**
Press to select a menu item.

**CANCEL**
Press to cancel an operation and leave a menu.

**DELETE**
While entering numbers or letters, press to delete previous character.

**HEADSET**
Press to make, answer or hang up a call on a corded headset.

**MENU/FUNC**
Press to display the main menu.
FLASH
During a call, press to answer an incoming call when you receive a call waiting alert.

HOLD
Press to put a call on hold.

LINE
Press to make or answer a call.

MESSAGE WAITING indicator
Flashes when a line has a new voice message.

MESSAGE
Press to view messages.

TRANSFER
Press to start transferring a call.

CONFERENCE
Press to start a conference call.

Navigation keys
While in menus, press ▲ or ▼ to scroll through the menus, highlight items or change settings. Press ► to enter the selected item, or press ◄ to return to the previous menu.
While entering names or numbers, press ◄ or ► to move the cursor to the left or right.
While playing back messages, press ◄ to repeat the message, or press ► to skip to the next message.

Speed dial keys
Press to dial the desired speed dial number.

LOWER
Press to switch to the lower location of a speed dial key.
Directory card

Use the directory card to record the names of the speed dial numbers you stored.

**To write names on the directory card:**

1. Write the information on the directory card that comes with the package.
2. Insert the edge of the directory card in the slot at the front of the deskset, under the plastic cover.
Base Station Installation

This section assumes that your network infrastructure is established and that your IP PBX phone service has been ordered and configured for your location. For more information about IP PBX configuration, see the *VSP600/VSP601 Administrator and Provisioning Manual*, available at businessphones.vtech.com.

You can power the base station using a compatible VTech power adapter or using Power over Ethernet (PoE) from your network. (The base station requires PoE Class 2.) If you are not using PoE, install the base station near a power outlet not controlled by a wall switch. The base station can be placed on a flat surface or mounted on a wall in a vertical or horizontal orientation.

Avoid placing the base station too close to:

- Communication devices such as television sets, DVD players, 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
To install the base station:

1. Plug one end of the Ethernet cable into the Ethernet port on the rear of the base station (marked by ), and plug the other end of the cable into your network router or switch.

2. If the base station is not using power from a PoE-capable network router or switch:
   a. Connect a compatible VTech power adapter to the power jack.
   b. Plug the power adapter into an electrical outlet that is not controlled by a wall switch.

![Diagram of base station installation]

**IMPORTANT INFORMATION**

1. Use only a compatible VTech power adapter with this product. To order a power adapter, visit our website at businessphones.vtech.com or call 1 (888) 370-2006.

2. The power adapter is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

**To mount the base station on a wall:**

1. Install two mounting screws on the wall. Choose screws with heads larger than 5 mm (3/16 inch) in diameter (1 cm / 7/16 inch diameter maximum). The screw centers should be 5 cm (1 15/16 inches) apart vertically or horizontally.

2. Tighten screws until only 3 mm (1/8 inch) of the screws are exposed.
3. Attach the mounting plate to the top of the base station. Insert the tab into the slot and then push the plate in at the bottom of the base station until the mounting plate clicks into place.

4. Check to make sure the plate is secure at top and bottom. It should be flush with the base station body.

5. Place the base station over the mounting screws.

6. Connect power and the Ethernet cable as described in “To install the base station.”
Deskset Installation

This section assumes that your network infrastructure is established and that your IP PBX phone service has been ordered and configured for your location.

Deskset installation involves both the backup battery and the deskset. The deskset is powered using the supplied power adapter. The deskset can be placed on a flat surface or mounted on a wall.

Avoid placing the deskset too close to:

- Communication devices such as television sets, DVD players, 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

Installing the backup battery

Install the backup battery, as shown below. In the event of a power failure, the charged backup battery allows the deskset to operate. The backup battery will be charged when you connect the AC power adapter to a wall outlet not controlled by a wall switch.

1. Squeeze the latch tab to open the battery compartment cover.
2. Place the battery in the compartment. Make sure the supplied battery with the label **THIS SIDE UP** faces up, as indicated.

3. Plug the battery connector into the port inside the compartment.

4. Insert the battery compartment cover tabs and then press down until the cover clicks into place.

**IMPORTANT INFORMATION**

- Use only the supplied rechargeable battery or replacement battery (model BT266342). To order a replacement battery, visit our website at [businessphones.vtech.com](http://businessphones.vtech.com) or call **1 (888) 370-2006**.

- If you do not use the deskset for a long time, disconnect and remove the battery to prevent possible leakage.

**Battery charging**

Once you have installed the battery, the screen indicates the battery status (see the table below). The backup battery is fully charged after 16 hours of continuous charging.

The following table summarizes the battery charge indicators and actions to take.

<table>
<thead>
<tr>
<th>Battery indicators</th>
<th>Battery Status</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>The screen shows [ and it flashes.</td>
<td>Battery has enough charge to be used for a short time.</td>
<td>Charge without interruption (at least one hour).</td>
</tr>
<tr>
<td>Full battery icon (I) appears.</td>
<td>Battery is charged.</td>
<td>Keep the backup battery in the battery compartment for backup usage.</td>
</tr>
</tbody>
</table>
Installing the deskset

1. Install the mounting bracket for tabletop use.

**Low tabletop position:** Insert the fixed tabs of the mounting bracket into slots A and B. Press the flexible tabs into slots C and D until they click into place.

**High tabletop position:** Insert the fixed tabs of the mounting bracket into slots A and B. Press the flexible tabs into slots C and D until they click into place.
2. Connect the coiled handset and the power cord to the deskset.

**IMPORTANT INFORMATION**

1. Use only the power adapter supplied with this product. To order a replacement power adapter, visit our website at [businessphones.vtech.com](http://businessphones.vtech.com) or call 1 (888) 370-2006.

2. The power adapter is intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.
Wall mounting the deskset

The deskset is ready for tabletop use. If you want to mount the deskset on a wall, make sure you first unplug the power adapter from the electrical outlet.

To mount the deskset on the wall:

1. Place your corded handset aside. Use a coin to rotate the handset tab 180 degrees. The protruding edge holds the corded handset when the deskset is mounted on the wall.

2. Press in the direction indicated by the arrows to release and remove the mounting bracket from the deskset.

3. Place the corded handset back to the deskset. Plug the small end of the power adapter cord into the power jack on the back of the deskset.

4. Align the wall mounting holes on the back of the deskset with the tabs of the standard wall plate. Push the deskset down until it clicks securely in place.

5. Plug the large end of the power adapter into an electrical outlet not controlled by a wall switch.
Adding a corded headset

You can use this deskset hands-free when you install any industry-standard 2.5 mm corded telephone headset (purchased separately).

Plug a 2.5 mm headset into the HEADSET jack on the side of the handset.
Registering the deskset to the base

The deskset must be registered to the base station in order to make and receive calls.

To register the deskset:

1. Make sure both the deskset and the base station is connected to power.

2. On the base station, press the HANDSET LOCATOR button for at least four seconds, then release the button. Both LEDs on the base station begin to flash slowly.

3. Press the # key on the deskset to begin registration. The process takes up to 10 seconds to complete. When the first deskset registers, it beeps and the screen displays HANDSET 1.

If the deskset fails to register, it displays Registration failed. Try again. Wait for a few seconds and repeat the registration procedure.
Deregistering the deskset

Before using the deskset with a different base station, you must deregister the deskset from the base station to which it is currently registered.

To deregister the deskset:

1. Press **MENU/FUNC.** on the deskset. The Main Menu appears.
2. Press ▼ to scroll to **User settings** and press **SELECT.**
3. Press ▼ to scroll to **Registration** and press **SELECT.**
4. Press ▼ to highlight **Deregistration** and press **SELECT.** The deskset screen displays a list of registered desksets.
5. Highlight the name of the deskset you want to deregister, and then press **SELECT.**
6. On the deskset, enter the System PIN and then press **SELECT** to begin deregistration. The default PIN is 1592. The deregistration process takes up to 10 seconds to complete. When the deskset deregisters, it beeps and the screen displays **Unregistered.**

**Note:** The deskset enters an energy-saving charging mode after being deregistered. All cordless telephone functions except deskset-battery charging are disabled. Energy-saving charging mode is deactivated after the deskset registers to the base station.
Locating the Deskset

You can determine which desksets are registered by paging them from the base. Press the HANDSET LOCATOR (page) button on the base station to ring all desksets:

- All desksets within range of the base will ring for one minute, even if the volume is off.
- To end the locator page, press CANCEL.
- To silence the locator page on one deskset only, press MUTE.

Screen icons

The following screen icons indicate your phone's current status:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Signal]</td>
<td>Indicates signal strength, from one bar (weak) to four bars (strong). Flashes when out of range.</td>
</tr>
<tr>
<td>![Battery]</td>
<td>Indicates battery strength from 1/3 to 3/3. Flashes when empty.</td>
</tr>
<tr>
<td>![Ringer]</td>
<td>The ringer is off.</td>
</tr>
<tr>
<td>![Headset]</td>
<td>Headset—audio is coming through a headset after the HEADSET key was pressed.</td>
</tr>
<tr>
<td>![Speaker]</td>
<td>Speakerphone—the speakerphone is active.</td>
</tr>
<tr>
<td>![Microphone]</td>
<td>Microphone is muted.</td>
</tr>
<tr>
<td>![FWD]</td>
<td>Call Forward Always is on.</td>
</tr>
<tr>
<td>![DND]</td>
<td>Do Not Disturb is on.</td>
</tr>
</tbody>
</table>
Using the Deskset

This section describes how to use the deskset to make calls and answer calls. This section also describes how to put calls on hold, transfer calls, and create conference calls.

Idle screen

The Idle screen appears after the phone is connected and configured for your SIP PBX service. The Idle screen indicates that you have no active or held calls.

When idle, you can press:

- **LINE** to select another line (SIP Account). When you make a call, the phone will use this line. See “Making calls” on page 27.
- **MENU** to view the main menu. See “Configuring the Deskset” on page 37.

Making calls

You can make calls to any phone number (an outside call), or you can call another deskset (an internal call).

**To make an outside call:**

1. Use the dial pad to enter the desired number.
   - Press **DELETE** if you enter an incorrect digit.
2. If you wish to choose an outgoing line for the call:
   a. Press **LINE**.
   b. Press ▼ or ▲ to select the dialing line.
   c. Press **SELECT**.
3. Dial the number by lifting the handset, or pressing **SPEAKER**.
   When the call is answered, the active call screen appears.

4. To hang up the call, place the handset on the deskset, or press **SPEAKER** if you are using speakerphone.

Note that you can also live dial a number by lifting the handset or pressing **SPEAKER** to go off hook before entering a phone number. The call will dial automatically when a valid number is entered.
To make an internal (intercom) call to another handset or deskset:

1. Press INTERCOM.
2. Press ▲ or ▼ to select the handset or deskset you wish to call, and then press SELECT.

   When the call is answered, the active call screen appears.

3. To use the corded handset instead of the speakerphone, pick up the handset.
4. To hang up the call, press CANCEL or SPEAKER.

To make an internal call to all handsets and desksets:

1. Press INT ALL to call all handsets and desksets.
2. To hang up the call, press CANCEL or SPEAKER.

Answering calls

You can answer a call by lifting the handset, or pressing SELECT or SPEAKER:

- For incoming calls from an outside number, you can also press CANCEL to terminate the call.
- If you have multiple incoming calls, press ▼ or ▲ to select the call you want to answer.
- Intercom calls from another handset or deskset cannot be rejected, but they can be silenced by pressing MUTE:

If you don’t respond to an incoming outside call, the phone displays a missed-call alert on the idle screen:
Putting a call on hold

You can put an outside call on hold by pressing **HOLD**. The deskset also puts calls on hold automatically when you answer another call, transfer a call, or create a conference. Note that you cannot put an intercom call on hold.

![HOLD](image)

To take the call off hold:

- From the On Hold screen, press **FLASH**.
  - or -

1. Press the **MENU** key.
2. With **Resume** highlighted, press **SELECT**.

Switching between two calls

If you are managing two calls, press ▼ or ▲ to view each call screen.

To put the active call on hold and talk to the caller on the held call, press ▼ or ▲ to view the call on hold and then press **FLASH**.
Transferring a call

You can transfer a call to another party.

If you talk to the transfer recipient before completing the transfer, you are making an “announced” transfer.

However, the transfer recipient does not have to talk to you before receiving the transferred call. If you do not talk to the transfer recipient before transferring the call, you are making a “blind” transfer.

You can also transfer a call to a held call. Note that you cannot transfer intercom calls.

To transfer a call (announced):

1. During a call, press TRANSFER. The call is automatically put on hold and the transfer setup screen appears.

2. If you wish to transfer to:
   • an outside number, select A call (announce).
   • another cordless handset or deskset in your system, select A handset party.

3. Press SELECT.

4. Dial the number to which you want to transfer the call, or select the handset or deskset to transfer to. You can also use a number from a list, such as the Directory or Call History.

5. When the second caller answers, you can talk to the caller to notify them of the transfer, and then press TRANSFER to transfer the call.

To transfer a call (blind):

1. During a call, press TRANSFER. The call is automatically put on hold and the transfer setup screen appears.

2. Select A call (blind), and then press SELECT.
3. Dial the number to which you want to transfer the call. You can also use a number from a list, such as the Directory or Call History.

4. Press TRANSFER or SELECT.
   The Call transferred screen appears.

To transfer a call to a held call:

1. If you are on an active call and also have a call on hold, press TRANSFER. A list of held calls will appear.

2. With the call you want to transfer to highlighted, press SELECT. The call will be immediately transferred.

Setting up a conference call

You can hold a conference call between yourself and two other parties.

To set up a conference call:

1. During a call, press CONFERENCE. The call is automatically put on hold and the conference setup screen appears.

2. If you wish to conference with:
   - an outside number, select A new party.
   - another deskset in your system, select A handset party.

3. Press SELECT.

4. Dial the second number for the other party you want to join your conference, or select the deskset to conference with. You can also use a number from a list, such as the Directory or Call History.

5. When the second call is established, press CONFERENCE. The conference begins and the conference screen appears.

Press CANCEL to terminate both calls and end the conference.
To create a conference with a held call:

1. If you are on an Active call and also have a call on hold, press CONFERENCE. A list of held calls will appear.

2. With the call you want to conference with highlighted, press SELECT. The conference will begin immediately.

Setting up a Network Conference:

A Network Conference is hosted by your service provider and allows multiple parties to join a conference. A Network Conference works in a similar way to the regular conference described above, except you can add as many parties as your service provider supports. Pressing the CONFERENCE key during a conference will allow you to add more parties to the ongoing conference.

Listening to messages

When you have new messages, the phone displays a new-messages notification on the idle screen:

To listen to your messages:

1. From the deskset Main Menu, with Message highlighted, press SELECT. The Message screen appears. A message icon (さまざま) appears at the top of the screen for any line that has a message.

2. Press ▼ to highlight the desired line and press SELECT. The deskset dials the voicemail access number.

3. Follow the voice prompts to listen to your messages.
Using the Directory

The deskset has three lists of contacts. The Local directory is only available on your deskset. The Base directory is usually maintained by your system administrator, and is available on all desksets and handsets. The Blacklist contains blocked numbers.

To view a directory:
1. Press DIRECTORY.
   OR
From the deskset Main Menu, press ▼ to scroll to Directory and then press SELECT.
   The Directory menu appears.
2. Press ▼ or ▲ to select the directory you wish to view, and then press SELECT.
3. Select Review and then press ▼ or ▲ to browse through contacts.

To call a contact:
When viewing a directory entry, you can call a contact in the following ways.
1. Dial the phone number in the entry:
   a. Press ▼ or ▲ to cycle through work, mobile, and other numbers.
   b. Press SELECT to call the contact.
2. Revise the phone number to dial before calling:
   a. Press MENU.
   b. Press ▼ to scroll to Edit dial and press SELECT.
   c. Edit the number as required, then press SELECT.

To search a directory:
1. From the deskset Main Menu, press ▼ to scroll to Directory and then press SELECT.
   The Directory menu appears.
2. Press ▼ or ▲ to select the directory to search, and then press SELECT.
3. With Search highlighted, press SELECT.
4. Enter a name or number, then press SELECT.

To add a new entry:
1. From the deskset Main Menu, press ▼ to scroll to Directory and press SELECT.
   The Directory menu appears.
2. Press ▼ or ▲ to select the directory to add a new entry to, then press SELECT.
3. Press ▼ to scroll to Add new and press SELECT.
You can add a first name and last name, as well as work, mobile, and other phone numbers. You can also set the ringer tone and dial line for the entry.

4. When you are done, press **SELECT**.

**To edit an entry:**
1. When viewing the directory entry you wish to edit, press **MENU**.
2. With **Edit** highlighted, press **SELECT**.
3. When you are done editing, press **SELECT**.

**To delete an entry:**
1. When viewing the directory entry you wish to delete, press **MENU**.
2. Press ▼ to scroll to **Delete** and then press **SELECT**.
3. Press **SELECT** on the delete confirmation screen.

   **OR**

   Press **CANCEL** to return to the previous screen.

**To delete all entries:**
1. From the deskset Main Menu, press ▼ to scroll to **Directory** and then press **SELECT**.

   The Directory menu appears.
2. Press ▼ or ▲ to select the directory to delete, and then press **SELECT**.
3. Press ▼ to scroll to **Delete all** and then press **SELECT**.
4. Press **SELECT** on the delete all confirmation screen.

   **OR**

   Press **CANCEL** to return to the previous screen.
Using the Call History

The Call History contains lists of your missed, received, and dialed calls (you can also view dialed calls by pressing REDIAL). You can view, call and store list entries.

To view the Call History:
1. Press CALL HISTORY.

   OR

   From the deskset Main Menu, press ▼ to scroll to Call History and then press SELECT.

   The Call History menu appears.

2. Press ▼ to highlight the desired list and then press SELECT.

3. With Review highlighted, press SELECT.

4. Press ▼ or ▲ to view entries.

   The Call History entry screen shows the time, date, name and number of the call, the number of entries in the folder, along with an icon indicating the type of call.

<table>
<thead>
<tr>
<th>Received call</th>
<th>Dialed call</th>
<th>Missed call</th>
</tr>
</thead>
</table>

   ! Call history
   Received Calls
   Dialed Calls

To call an entry:

When viewing a Call History entry, you can call the entry in the following ways.

1. Lift the corded handset, or press HEADSET or SPEAKER to call the phone number in the entry.

2. Revise the phone number to dial before calling:
   a. Press MENU.
   b. With Edit dial highlighted, press SELECT.
   c. Edit the number as required, then lift the corded handset, or press HEADSET or SPEAKER.

To save an entry to a directory:

1. Press MENU when viewing a Call History entry.

2. Press ▼ to scroll to Save To and then press SELECT.

3. Press ▼ or ▲ to select the directory to save to, and then press SELECT.

4. Edit the new directory entry as required, and then press SELECT to return to Call History.

To delete entries:

1. To delete the entry you are viewing, press DELETE.

2. To delete all entries:
   a. In the main Call History menu, press ▼ or ▲ to scroll to the list you wish to delete, and press SELECT.
   b. Press ▼ to scroll to Delete all and then press SELECT.
   c. Press SELECT again on the delete all confirmation screen.
Using Speed Dial

The speed dial feature allows you to program up to 32 numbers that you dial frequently. You can access the first 16 speed dial numbers by pressing the speed dial buttons. To access the remaining 16 speed dial numbers, press LOWER and then the speed dial button for the desired location.

To program a Speed Dial number:

1. Press MENU.
2. Press ▼ to highlight Speed dial and then press SELECT.
3. Press ▼ or ▲ to select an empty slot, and then press MENU.
4. Use the dial pad to enter a name and number, and then press SELECT.

To delete or edit existing Speed Dial entries, select the entry in the Speed Dial list then press DELETE or MENU.
Configuring the Deskset

You can configure the deskset using one of two methods:

1. The **Features** and **User settings** menus on the deskset.
2. The WebUI, which you access using your Internet browser.

This section describes settings you can change using the menus on your deskset. For information about settings you can change on the WebUI, see “WebUI” on page 43.

The system administrator can configure additional settings, including Network settings, Provisioning, and the PIN code by using the **Admin settings** menu. For more information about this menu, see the **VSP600/VSP601 Administrator and Provisioning Manual**, available at [businessphones.vtech.com](http://businessphones.vtech.com).

### Setting Do Not Disturb

When Do Not Disturb (DND) is on for a line, calls to that line will be rejected.

**To turn DND on or off:**

1. Press **MENU**.
2. Press ▼ to highlight **Features** and press **SELECT**.
3. With **DND** highlighted, press **SELECT**.
4. Press ▼ or ▲ to select which line DND should apply to*, and press **SELECT**.
5. Press ▼ or ▲ to select On or Off.
6. Press **SELECT** to save.

* Note that DND will apply to all desksets and handsets assigned the line.

### Setting call forwarding

Calls can be forwarded to another phone number always, only when busy, or after a set number of rings.

**To set call forward:**

1. Press **MENU**.
2. Press ▼ to highlight **Features** and press **SELECT**.
3. Press ▼ to highlight **Call forwarding** and press **SELECT**.
4. Press ▼ or ▲ to select which line Call forward should apply to*, and then press **SELECT**.
5. Press ▼ to highlight the desired option:
   - Always
   - Busy
   - No answer
6. Press SELECT.

7. On the next screen, with Set On/Off highlighted, press SELECT to turn call forwarding On or Off.

8. Press ▼ or ▲ to highlight On or Off and then press SELECT.

9. Press ▼ to highlight Phone number and then press SELECT.

10. Enter the number to which you would like to forward calls, and then press SELECT.

11. (If you selected No answer earlier) Press ▼ or ▲ to set the No answer delay between 1 to 10 rings, and then press SELECT.

When Call forward is on, FWD appears on the idle screen.

* Note that Call forward will apply to all desksets and handsets assigned the line.

### Blocking anonymous calls

Calls without Caller ID information will be rejected and the deskset will not ring.

**To block anonymous callers:**

1. Press MENU.

2. Press ▼ to highlight Features and press SELECT.

3. Press ▼ to highlight Block anonymous and press SELECT.

4. Press ▼ or ▲ to select which line Block anonymous should apply to*, and then press SELECT.

5. Press ▼ or ▲ to choose On or Off, and then press SELECT to save.

* Note that Block anonymous will apply to all desksets and handsets assigned the line.

### Dialing anonymously

When this feature is enabled, your phone will make anonymous outgoing calls.

**To dial as an anonymous caller:**

1. Press MENU.

2. Press ▼ to highlight Features and then press SELECT.

3. Press ▼ to highlight Dial as anonyms and then press SELECT.

4. Press ▼ or ▲ to select which line Dial as anonymous should apply to*, and then press SELECT.

5. Press ▼ or ▲ to choose On or Off, and then press SELECT to save.

* Note that Dial as anonymous will apply to all desksets and handsets assigned the line.
Setting missed-call alerts

When missed-call alerts are enabled, an alert will display on the idle screen whenever you do not answer an incoming call.

To turn missed-call alerts on or off:
1. Press MENU.
2. Press ▼ to highlight Features and then press SELECT.
3. Press ▼ to highlight Miss call alert and then press SELECT.
4. Press ▼ or ▲ to highlight Show alert or Hide alert.
5. Press SELECT.

Setting call waiting

When call-waiting alerts are enabled, an alert will display on-screen whenever you receive an incoming call during an active call.

To turn call-waiting alerts on or off:
1. Press MENU.
2. Press ▼ to highlight Features and then press SELECT.
3. Press ▼ to highlight Call waiting and then press SELECT.
4. Press ▼ or ▲ to highlight Show alert or Hide alert.
5. Press SELECT.

Viewing deskset status

In the Status menu, you can view information on the LAN network your phone system is connected to, the registration status of your SIP accounts, or view the software version of your deskset. You may need this information for troubleshooting purposes.

To view the Status menu:
1. Press MENU.
2. Press ▼ to highlight Status and then press SELECT.
3. Press ▼ to highlight either Network, Line, or Product Info, and then press SELECT.

To view the software version of your phone:
1. From the Status menu, highlight Product Info and then press SELECT.
2. With Deskset highlighted, press SELECT.
3. Press ▼ to view the software version.
Setting the language

1. Press MENU.
2. Press ▼ to highlight User settings and then press SELECT.
3. With Language highlighted, press SELECT.
4. Press ▼ or ▲ to highlight the desired language.
5. Press SELECT to save.

Setting the date and time

1. Press MENU.
2. Press ▼ to highlight User settings and then press SELECT.
3. Press ▼ to highlight Set Date/Time and then press SELECT.
4. Highlight your desired option:
   • Date format: select MM/DD/YY or DD/MM/YY
   • Time format: select 12 hour or 24 hour
   • Date/Time: manually set the date and time
5. After you’ve finished setting your chosen option, press SELECT.

Setting the deskset name

You can change the deskset name from the default HANDSET.

To change the deskset name:

1. Press MENU.
2. Press ▼ to highlight User settings and then press SELECT.
3. Press ▼ to highlight Phone rename and then press SELECT.
4. Press DELETE to move the cursor back and delete the previous name.
5. Enter the new name using the dial pad.
6. Press SELECT when complete.

Setting the screen contrast

You can change the contrast of text and graphics on the deskset LCD.

To change the LCD text contrast:

1. Press MENU.
2. Press ▼ to highlight User settings and then press SELECT.
3. Press ▼ to highlight Contrast and then press SELECT.
4. Press ▼ or ▲ to select a contrast level between 1 and 7.
5. Press SELECT.
Backlight

You can set the deskset LCD backlight to be off when in idle, or set it to turn on or off continuously.

To set the LCD backlight:

1. Press MENU.
2. Press ▼ to highlight User settings and then press SELECT.
3. Press ▼ to highlight LCD Backlight and then press SELECT.
4. Press ▼ or ▲ to choose Backlight Time, During idle or Being triggered*.
   - If you select Backlight Time, press ▼ or ▲ to choose the timeout period between 10 seconds and 60 seconds.
   - If you select During idle or Being triggered, press ▼ or ▲ to choose On or Off.
5. Press SELECT to save.

* Notes:
   - If During idle is on but Being triggered is off, the LCD backlight always lights up.
   - If During idle is off but Being triggered is on, the LCD backlight turns off after being idle for as long as the set timeout period.
   - If During idle and Being triggered are both off, the LCD backlight is always off.

Setting the ringer tone and volume

1. Press MENU.
2. Press ▼ to highlight User settings and press SELECT.
3. Press ▼ to highlight Ringers and press SELECT.
4. To change the ringer volume:
   a. Highlight Ringer Volume and then press SELECT.
   b. Press ▼ or ▲ to change the volume level as desired.
   c. Press SELECT to save.
5. To change the ringer tone:
   a. Highlight Ringer Tone and then press SELECT.
   b. Press ▼ or ▲ to select a line, and then press SELECT.
   c. Press ▼ or ▲ to select a ringer tone for that line.
   d. Press SELECT to save.
Setting audio mode

You can select speakerphone or headset as the default audio out for speed dials.

To set the audio mode:

1. Press **MENU**.
2. Press ▼ to highlight **User settings** and then press **SELECT**.
3. Press ▼ to highlight **Audio Mode** and then press **SELECT**.
4. Press ▼ or ▲ to choose **SPEAKER** or **HEADSET**.
5. Press **SELECT** to save.

Turning low battery tone on or off

1. Press **MENU**.
2. Press ▼ to highlight **User settings** and then press **SELECT**.
3. Press ▼ to highlight **Low batt tone** and then press **SELECT**.
4. Press ▼ or ▲ to choose on or off.
5. Press **SELECT** to save.

Turning link lost tone on or off

1. Press **MENU**.
2. Press ▼ to highlight **User settings** and then press **SELECT**.
3. Press ▼ to highlight **Link lost tone** and then press **SELECT**.
4. Press ▼ or ▲ to choose on or off.
5. Press **SELECT** to save.

Turning key tones on or off

1. Press **MENU**.
2. Press ▼ to highlight **User settings** and then press **SELECT**.
3. Press ▼ to highlight **Key Tone** and then press **SELECT**.
4. Press ▼ or ▲ to choose on or off.
5. Press **SELECT** to save.

Registering or deregistering your deskset

You can register or deregister your deskset using the deskset menu. Follow the instructions in “Registering the deskset to the base” on page 24 and “Deregistering the deskset” on page 25.
WebUI

Using the WebUI

Use an Internet browser to access the Web User Interface (WebUI) that resides on your base station. After you log on to the WebUI, you can configure the following features:

- Call Settings
- User Preferences
- Base Directory
- Blacklist
- User Password

The WebUI also has a System Status and Deskset Status page, where you can view network status and registration information about your deskset.

To access the WebUI:

1. Ensure that your computer is connected to the same network as your base station.

2. Find the IP address of your base station:
   a. When the phone is idle, press MENU.
   b. Press ▼ to highlight Status, and then press SELECT.
      The Status menu appears:
      ![Status Menu]
   c. On the Status menu, ensure that Network is highlighted, and then press SELECT.
      The Network screen appears:
      ![Network Screen]
   d. On the Network screen, note the IP Address.

3. On your computer, open an Internet browser. Depending on your browser, some of the pages presented here may look different and have different controls.
4. Type the phone IP address in the browser address bar and press **ENTER** on your computer keyboard:

A Login window appears.

5. Under **User Name**, enter **user**.

6. Under **Password**, enter **user**, or your own password, if you have created one. You can create or change a password after you log on.

7. Click **Log In / OK**.

The WebUI appears.

Click topics from the navigation bar at the top of the page, and then click the desired setting on the left side of the WebUI to see the page for that setting. You view and change settings in two different types of fields: drop-down lists and entry fields into which you type information. For your security, the WebUI times out after 10 minutes, so if it is idle for that time, you must log on again.

The remaining procedures in this section assume that you have already logged on to the WebUI.
The System Status page shows:

- **General** information about your phone, including model, MAC address, and firmware version.
- **Account Status** information about your SIP account registration.
- **Network** information regarding your phone’s network address and network connection.

The System Status page has no settings that you can change. You may need some of the status information for troubleshooting purposes.

### General

- **Model:** VSP600
- **Serial Number:** UK900001923
- **MAC Address:** 00:12:2A:46:15:BB
- **Boot Version:** 1.04
- **Firmware Version:** 0.68.0.27243-ENG
- **V-Series:** 0.68.0.27243-ENG
- **Hardware Version:**

### Account Status:

- **Account 1:** Registered
- **Account 2:** Registered
- **Account 3:** Registered
- **Account 4:** Not Registered
- **Account 5:** Not Registered
- **Account 6:** Not Registered

### Network

- **LAN Port IP Address:** 10.88.51.189
- **IP type:** DHCP
- **Subnet Mask:** 255.255.0.0
- **MAC Address:** 00:12:2A:46:15:BB
- **Link Status:** Connected
- **Gateway:** 10.88.3.149
- **Primary DNS:** 10.88.162.31
- **Secondary DNS:** 10.88.162.10
- **Network Time Settings:** us.pool.ntp.org
Deskset Status

The Handset Status page shows registration information for the cordless handsets and desksets.

<table>
<thead>
<tr>
<th>Handset Status</th>
<th>Name</th>
<th>Registration Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:</td>
<td>HANDSET</td>
<td>Registered</td>
</tr>
<tr>
<td>2:</td>
<td>HANDSET</td>
<td>Not Registered</td>
</tr>
<tr>
<td>3:</td>
<td>HANDSET</td>
<td>Not Registered</td>
</tr>
<tr>
<td>4:</td>
<td>HANDSET</td>
<td>Not Registered</td>
</tr>
<tr>
<td>5:</td>
<td>HANDSET</td>
<td>Not Registered</td>
</tr>
<tr>
<td>6:</td>
<td>HANDSET</td>
<td>Not Registered</td>
</tr>
</tbody>
</table>

The Handset Status page has no settings that you can change. You may need some of the status information for troubleshooting purposes.

Call Settings

To view the call settings, click SYSTEM in the WebUI header, and then click Call Settings in the sidebar. You can configure call settings for each account that is available to your phone. Click Account 1, Account 2, and so on to select the call settings page for the desired account.

Call Settings include Do Not Disturb and Call Forward settings. You can also set Do Not Disturb and Call Forward using the deskset. See “Configuring the Deskset” on page 37.

When you have finished changing settings on this page, click Save to save them.
### General Call Settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anonymous Call Reject</td>
<td>Select to block incoming calls that have no caller ID.</td>
</tr>
<tr>
<td>Enable Anonymous Call</td>
<td>Select to make outgoing calls that remove your own caller ID information.</td>
</tr>
</tbody>
</table>

### Do Not Disturb Settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enable DND</td>
<td>Turns Do Not Disturb on or off.</td>
</tr>
</tbody>
</table>

### Call Forward Settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enable Call Forward Always</td>
<td>Select to enable call forwarding for all calls on that account.</td>
</tr>
<tr>
<td>Target Number</td>
<td>Enter a number to which all calls will be forwarded.</td>
</tr>
<tr>
<td>Enable Call Forward Busy</td>
<td>Select to enable call forwarding for calls when you are on another call on that account.</td>
</tr>
<tr>
<td>Target Number</td>
<td>Enter a number to which calls will be forwarded when the line is busy.</td>
</tr>
<tr>
<td>Enable Call Forward No Answer</td>
<td>Select to enable call forwarding for unanswered calls on that account.</td>
</tr>
<tr>
<td>Target Number</td>
<td>Enter a number to which unanswered calls will be forwarded.</td>
</tr>
<tr>
<td>Delay</td>
<td>Select the number of rings before unanswered calls are forwarded. Range: 1 to 10 rings Default: 6 rings</td>
</tr>
</tbody>
</table>
User Preferences

On the User Preferences page, you can configure the WebUI language.

After changing the setting on this page, click **Save** to save.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
<th>Range</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>WebUI Language</td>
<td>Sets the language that appears on the WebUI.</td>
<td>Any language supported by your phone. For example, English, French, Spanish, etc.</td>
<td>English</td>
</tr>
</tbody>
</table>
To view the base directory, click **CONTACTS** in the WebUI header.

On the Base Directory page, you can manage your base directory entries. You can sort, edit, delete, and add contact information for up to 200 entries. The page also allows you to export your phone’s base directory or import a base directory file. The export function lets you back up your contacts to your computer.

The base directory lists entries across multiple pages. Click **Next**, **First**, **Last**, or a page number to view the desired page of entries.

**Note:** You can also use the phone menu to manage your base directory entries. For more information, see “Using the Directory” on page 33.
Base directory

<table>
<thead>
<tr>
<th>Click</th>
<th>To...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort By Last Name</td>
<td>Sort the list by last name.</td>
</tr>
<tr>
<td>Edit</td>
<td>Edit information for an entry.</td>
</tr>
<tr>
<td>Last</td>
<td>View the last page of entries.</td>
</tr>
<tr>
<td>Next</td>
<td>View the next page of entries.</td>
</tr>
<tr>
<td>Delete Selected Entries</td>
<td>Delete selected entries from the directory. Click <strong>Select All</strong> to select every entry on the page you are viewing.</td>
</tr>
<tr>
<td>Add New Entry</td>
<td>Add a new directory entry.</td>
</tr>
<tr>
<td>Clear Directory</td>
<td>Delete all Directory entries</td>
</tr>
</tbody>
</table>

To add a new directory entry:

1. Click **Add New Entry**.

   The **Create Base directory Entry** page appears.

2. Enter the required information. At minimum, a first and last name are required.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
<th>Range</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name</td>
<td>Enter the appropriate names in these fields.</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Last Name</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ringer Tone</td>
<td>Sets a unique ringer tone for calls from this directory entry.</td>
<td>Auto, Tone 1–10</td>
<td>Auto</td>
</tr>
<tr>
<td>Account</td>
<td>Sets the account used when you dial this directory entry.</td>
<td>Default Account, Account 1–Account 6</td>
<td>Default Account</td>
</tr>
<tr>
<td>Work Number</td>
<td></td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Mobile Number</td>
<td></td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Other Number</td>
<td></td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>

3. Click **Save**.
To edit a directory entry:

1. Click Edit for the entry you want to edit.

   The Edit Base directory Entry page appears.

2. Edit or add the desired information.

3. Click Save.

Import Base directory

You can import an existing base directory file. Importing a directory file replaces all your previous base directory entries. After importing a directory file, you can add, edit, or delete entries as desired.

Note: Directory files are .xml files containing contacts and contact information. For more information about creating or editing a directory file, consult your system administrator.

To import a base directory file:

1. Click Choose File.

2. In the Choose File to Upload window, navigate to the directory file.

3. Click the file, and then click Open.

4. On the WebUI, click Import.

Export Base directory

You can export the directory and save it as an .xml file on your computer.

To export the base directory:

1. Click Export.

2. At your browser’s prompt, save the file to the desired location on your computer.

Blacklist

To view the Blacklist, click CONTACTS in the WebUI header, and then click Blacklist in the sidebar.

The Blacklist directory is identical to the Base directory, except that you cannot configure an incoming ringer tone.
On the Security page, you can change your User Password.

After changing your password, click **Save**.
Troubleshooting

If you have difficulty with your deskset, please try the suggestions below. For customer service, visit our website at businessphones.vtech.com or call 1 (888) 370-2006.

General issues

Deskset does not work at all (LCD is black)
• Confirm the backup battery is installed and charged correctly.
• Ensure the adapter is securely plugged into an outlet not controlled by a wall switch.

My caller ID isn’t working.
• Caller ID is a subscription service. Your telephone service provider may require subscription to this service for this feature to work.
• The caller must be calling from an area that supports caller ID.
• Both your telephone service provider and your caller’s service provider must use caller ID compatible equipment.

Deskset registration is not working
• Ensure the deskset is within range of the base station.

Cannot make external calls
• Check if your SIP account is registered (Press MENU → Status → Line and select a line. Check that the status reads Registered).
• You might be out of range of the base station. Try moving closer. If you see an idle screen with no alerts, then your deskset is successfully communicating with the base station.

Deskset does not receive incoming calls
• Ensure that Do Not Disturb and Call Forward All are turned off.
• Check if your SIP account is registered (Press MENU → Status → Line and select a line. Check that the status reads Registered).
• You might be out of range of the base station. Try moving closer.

Cannot locate deskset using base station
• The deskset may not be registered.
• If the deskset is out of power or the deskset is out of range, the locator tone will not sound.
Poor audio quality. Speech is cutting out.

- You may be close to being out of range of the base station. Try moving closer.
- Other electronic products can cause interference with your deskset. Try installing the base station far away from devices such as TVs, microwaves, or other cordless devices, including other desksets.
- If the problem persists, contact your system administrator.

Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF frequency band</td>
<td>1921.536–1928.448 MHz</td>
</tr>
<tr>
<td>Channels</td>
<td>5</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>32–122 °F (0–50 °C)</td>
</tr>
<tr>
<td>Power requirements</td>
<td>Base: 5.0 Vdc @ 800 mA</td>
</tr>
<tr>
<td></td>
<td>Deskset: 6Vdc @ 600mA</td>
</tr>
<tr>
<td></td>
<td>Backup battery: 2.4V 750mAh Ni-MH battery pack</td>
</tr>
<tr>
<td>Headset jack</td>
<td>2.5mm, 32ohm - 150ohm</td>
</tr>
<tr>
<td>Power over Ethernet</td>
<td>IEEE 802.3at supported, class 2</td>
</tr>
<tr>
<td>Ethernet network port</td>
<td>10/100 Mbps RJ-45 port</td>
</tr>
</tbody>
</table>

Special characters

Entering special characters

When entering text using the dial pad, the following special characters are available. Press the 1, 0, or pound sign (#) keys to enter special characters.

<table>
<thead>
<tr>
<th>Key</th>
<th>Characters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>~ ^ ` % ! &amp; - _ + =</td>
</tr>
<tr>
<td>0</td>
<td>0 : ; , ? . @ *</td>
</tr>
<tr>
<td>#</td>
<td>( ) [] {} &lt;&gt; / \ #</td>
</tr>
</tbody>
</table>

Press star (*) to switch between uppercase and lowercase/European characters.
Maintenance

Taking care of your telephone

• Your base station and deskset contain sophisticated electronic parts, so you must treat them with care.
• Avoid rough treatment.
• Place the deskset down gently.
• Save the original packing materials to protect your products if you ever need to ship them.

Avoid water

• You can damage your cordless telephone if it gets wet. Do not handle the deskset with wet hands. Do not install the base station and deskset 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 products have 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 water, DO NOT RETRIEVE IT UNTIL YOU UNPLUG THE POWER CORD FROM THE WALL, then pull the unit out by the unplugged cord.

Deregistering the deskset

Before using the deskset with a different base station, you must deregister the deskset from the base station to which it is currently registered.
GPL License Information

GPL code requests

Portions of the software associated with this product are open source, and fall within the scope of the GNU General Public License (GPL). Accordingly, those portions of code are available to the public, consistent with the requirements of the GPL, in either source code format or object code format, depending upon the nature of the code at issue. If you would like to exercise your right to receive the available code, please send a cashier’s check, payable to VTech Communications, Inc., in the amount of $15.00 (U.S.$) to:

VTech Communications, Inc.,
9590 SW Gemini Drive, Suite 120
Beaverton OR 97008
ATTN: Information Technology Group—VSP600 GPL code request

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