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UP406
ErisBusinessSystem™
4-Line Office Phones
Deskset

vtech®
Abridged user's manual

Congratulations

on your purchase of this VTech product. Before using this product, please read the **Important safety information**.

This abridged user's manual provides you with the basic installation and setup instructions. You may refer to the online complete user's manual for complete installation and operation instructions at **businessphones.vtech.com**.

For customer service or product information, visit our website at **businessphones.vtech.com** or call **1 (800) 595-9511**. In Canada, please dial **1 (800) 267-7377**.

Model number:	ErisBusinessSystem™ UP406
Type:	4-Line Office Phones Deskset
Serial number:	_____
Purchase date:	_____
Place of purchase:	_____

Both the model and serial numbers of your VTech product can be found on the bottom of the deskset.

Save your sales receipt and original packaging in case it is necessary to return your telephone for warranty service.

Compatible with Hearing Aid T-Coil

TIA-1083

Telephones identified with this logo have reduced noise and interference when used with most T-coil equipped hearing aids and cochlear implants. The TIA-1083 Compliant Logo is a trademark of the Telecommunications Industry Association. Used under license.

ErisBusinessSystem™ is a trademark of VTech Communications, Inc.

Important safety information

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

Safety information

- Read and understand all instructions in the user's manual. Observe all markings on the product.

- Avoid using a telephone during a thunderstorm. There may be a slight chance of electric shock from lightning.

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

- Do not use this product near water, or when you are wet. For example, do not use it in a wet basement or shower, or next to a swimming pool, bathtub, kitchen sink, or laundry tub. Do not use liquids or aerosol sprays for cleaning. If the product comes in contact with any liquid, unplug any line or power cord immediately. Do not plug the product back in until it has dried thoroughly.

- Install this product in a protected location where no one can trip over any line or power cords. Protect cords from damage or abrasion.

- If this product does not operate normally, see the **Troubleshooting** section in this manual or the online complete user's manual. If you cannot solve the problem, or if the product is damaged, refer to the **Limited warranty** section on pages 38-39. Do not open this product except as directed in the user's manual. Opening the product or reassembling it incorrectly may expose you to hazardous voltages or other risks.

- This 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, an under-the-table or cabinet outlet.

Caution: Use only the power adapter provided with this product. To obtain a replacement, visit our website at **businessphones.vtech.com** or call **1 (800) 595-9511**. In Canada, please dial **1 (800) 267-7377**.

Important safety information

Especially about cordless telephones

- Electrical power: The telephone base 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 handset if the telephone base is unplugged, switched off or if the electrical power is interrupted.

- Power adapter: 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.

Precautions for users of implanted cardiac pacemakers

Cardiac pacemakers (applies only to digital cordless telephones):

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

Pacemaker patients

- Should keep wireless telephones at least six inches from the pacemaker.

- Should NOT place wireless telephones directly over the pacemaker, such as in a breast pocket, when it is turned ON.

- Should use the wireless telephone at the ear opposite the pacemaker.

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

Especially about telephone answering systems

Two-way recording: This unit does not sound warning beeps to inform the other party that the call is being recorded. To ensure that you are in compliance with any federal or state regulations regarding recording a telephone call, you should start the recording process and then inform the other party that you are recording the conversation.

<u>SAVE THESE INSTRUCTIONS</u>

Parts checklist

Your telephone package contains the following items. Save your sales receipt and original packaging in the event warranty service is necessary.
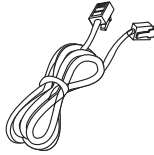
Abridged user's manual

Deskset power adapter

Handset with coiled cord installed

Deskset

Ethernet cable

Wall mount bracket

Replacement directory card

Table of contents

Getting started
Deskset overview

MENU/SELECT

- Press to enter the menu.
- While in the menu, press to select an item or save an entry or setting.

CALL HISTORY

- Press to view caller ID information.

MESSAGE WAITING indicator

- Flashes when there are new messages in the private mailbox.

ANS SYS

- Press to enter the answering system menu.

LINE 1-LINE 4 keys

- Press to make or answer a call on the desired line.

CANCEL

- While in a menu, press to cancel an operation and exit the menu display.

DIRECTORY

- Press to view directory information.

DELETE

- While playing a message, press to delete the message.
- While reviewing the caller ID information, press to delete an individual entry.
- While predialing, press to delete digits.
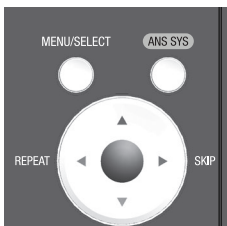
Navigation keys

- While in menus, press ▲ or ▼ to scroll through the menus, highlight items or change settings. Press ▶/**SKIP** to enter the selected item, or press ◀/**REPEAT** to return to the previous menu.
- While entering names or numbers, press ◀/**REPEAT** or ▶/**SKIP** to move the cursor to the left or right.
- While playing back messages, press ◀/**REPEAT** to repeat the message, or press ▶/**SKIP** to skip to the next message.

Getting started
Deskset overview

One-touch keys

- Press to dial the desired one-touch number.

Directory card

To write names on the directory card, follow the steps below:
1. Pull out the directory card.
2. Write the information on the directory card.
3. Replace the directory card under the plastic cover.

SPEAKER ◀))

- Press to turn on the speakerphone. Press again to turn it off.

MIC

FLASH

- During a call, press to answer an incoming call when you receive a call waiting alert.

HOLD

- Press to place an outside call on hold.

INTERCOM

- When in idle mode, press to initiate an intercom call.

MUTE

- During a call, press to mute the microphone.

HEADSET

- When a corded headset is connected to the deskset, press to make, answer or hang up a call.

TRANSFER

- Press to transfer a call to an extension.

CONFERENCE

- Press to add another extension or outside line to an existing call.

AUTO REDIAL

- Press to view the last 10 numbers dialed.

▲/VOLUME/▼

- 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.

LOWER

- When assigning or dialing a one-touch number, press to switch to the lower location (the second 16 locations) of a one-touch key.

Getting started
Deskset overview

Main menu

The **>** symbol highlights a menu item.

```
>Ringers            ♦
 Set Date/Time
 One Touch
 Phone Settings
```
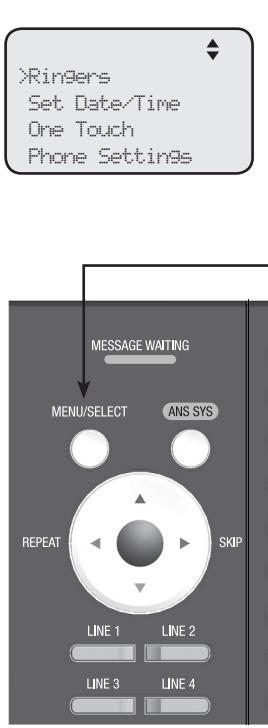
Main menu

- Ringers
- Set Date/Time
- One Touch
- Phone Settings
- System Setup
- Registration
- Customer Support

Using menus

- Press **MENU/SELECT** to show the main menu.
- Press ▲ or ▼ to scroll through menu items.
- Press **MENU/SELECT** or ▶**/SKIP** to select a highlighted menu item.
- Press **MENU/SELECT** to save changes.
- Press **CANCEL** to cancel an operation, exit the menu display or return to the idle screen.

MESSAGE WAITING

MENU/SELECT   ANS SYS

REPEAT   SKIP

LINE 1   LINE 2

LINE 3   LINE 4

Getting started
Deskset icon display

L1 L2 L3 L4	**Telephone lines** - On when this deskset is selected under the corresponding line group setting.
🔔̸	**Ringer off** - On steadily when the ringer volume is set to **OFF** .
🎧	**Headset** - On steadily when using a corded headset.
🔊	**Speakerphone** - On steadily when using the speakerphone.
MUTE	**Mute** - Microphone is muted.
PRIV	**Call privacy** - On steadily when the call privacy feature is set to **On**.
REC	**Record a call** - On steadily when recording a call.
▢▢	**New private mailbox message** - New message in the private mailbox.
▢	**Private mailbox on** - The private mailbox is turned on.
NEW	**New caller ID log** - Missed and new calls.

Getting started
Alert tones and lights

Alert tones

One beep	You have set the hold reminder on.
	-OR-
	The telephone is recording a memo.
	-OR-
	You have set the message alert tone on.
	-OR-
	There is an incoming call waiting.

Lights

LINE 1/LINE 2/LINE 3/LINE 4

- On when a telephone line is in use.
- Flashes when the telephone line is on hold.
- Flashes quickly when there is an incoming call or a transfer call.

Large lighted display

INTERCOM

- On when the deskset is on an intercom call.
- Flashes when there is an incoming intercom call.

MUTE

- On with the microphone is muted.

HEADSET

- On when the corded headset is in use.

MESSAGE WAITING

- Flashes when there are new private messages.

ANS SYS

- On when the private mailbox is on.
- Flashes when the answering system is playing or recording announcements or messages.

HOLD

- On when a telephone line is on hold.

SPEAKER 🔊

- On when the speakerphone is on.

Getting started
Deskset installation

- This is not a stand-alone telephone. Make sure you have completed the installation and basic setup of the UP416 console, before you proceed with the installation of your deskset.
- Do not power up the deskset until you have plugged in the Ethernet cable as instructed in step 4.
- 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.

1. Plug the end of the coiled handset cord into the 〔 jack on the left side of the telephone.

2. Lift the kickstand as the arrow indicates below to release it from the groove. There are seven pairs of grooves designed to hold the deskset at different angles for optimum visibility.

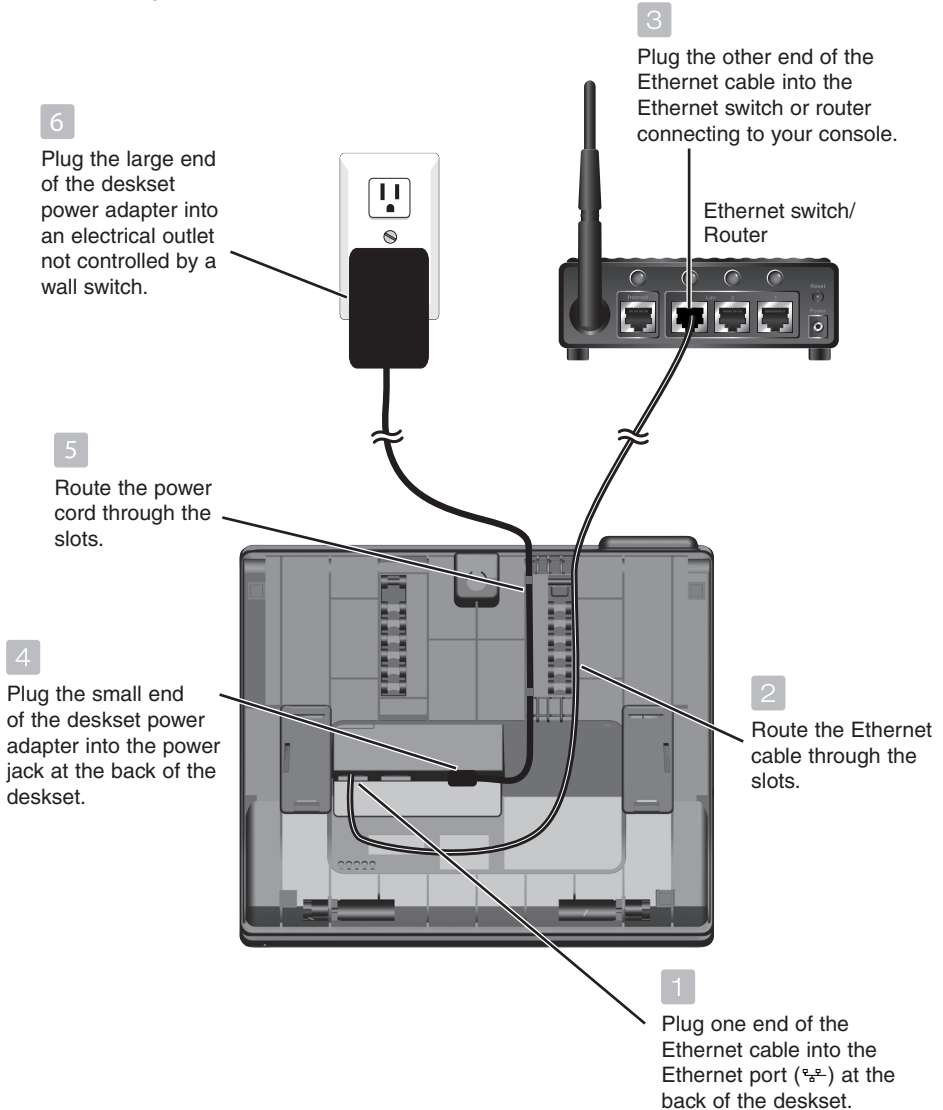3. Snap the kickstand into the desired grooves until it locks into place.

Getting started
Deskset installation

4. Connect the Ethernet cable and power adapter as shown below.

🔊 *NOTES:*

• Use only the power adapter supplied with this product. To order a replacement power adapter, visit our website at **businessphones.vtech.com** or call **1 (800) 595-9511**. In Canada, please dial **1 (800) 267-7377**.

• If you want to use an occupied Ethernet wall jack, use the PC port on the deskset as an Internet pass-through. For details, see **Use the existing Ethernet wall jack** in the installation guide or the online complete user's manual.

3

Plug the other end of the Ethernet cable into the Ethernet switch or router connecting to your console.

Ethernet switch/ Router

6

Plug the large end of the deskset power adapter into an electrical outlet not controlled by a wall switch.

5

Route the power cord through the slots.

4

Plug the small end of the deskset power adapter into the power jack at the back of the deskset.

2

Route the Ethernet cable through the slots.

1

Plug one end of the Ethernet cable into the Ethernet port (⊑⊒) at the back of the deskset.

Getting started
Deskset installation

After the deskset is powered up, it takes at least one minute for the deskset to start up the system and the screen displays **booting....** during startup. The deskset is set to obtain IP address automatically by default. The screen displays **Obtaining IP from DHCP server Please wait...** when the deskset is obtaining IP from the Ethernet switch or router. When an IP is obtained, the screen displays **IP obtained: XXX.XXX.X.XXX Press SELECT to proceed**.

If the deskset cannot obtain the IP address automatically, it displays **No IP assigned. Check network.** and then the **Network setup** menu. You need to enter the IP address manually under the **Set static IP** menu. See **To set static IP when initially setting up the deskset** section in the online complete user's manual for details.
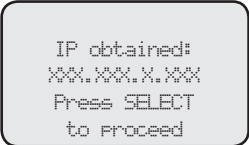
To connect the deskset to the UP416 console:

1. When the deskset displays **IP obtained: XXX. XXX.X.XXX Press SELECT to proceed**, press **MENU/SELECT**.

2. The deskset displays **Enter the name of the Console connecting to this phone.** Press **MENU/SELECT**.

3. The deskset displays **Console's name**. The console's name is set as **Console** by default. If you have changed your console's name, enter the same name using dialing keys on the deskset. Otherwise, skip to step 4 to continue.

   • Press **DELETE** to delete a character.

   • Press ◀/**REPEAT** or ▶/**SKIP** to move the cursor left or right.
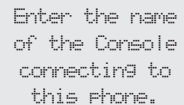
   • Press **0** to add a space.

   When you finish editing, press **MENU/SELECT** to save.

4. The deskset screen displays **Please set an extension number to this phone**. Press **MENU/SELECT** to continue.

5. Press ◀/**REPEAT** or ▶/**SKIP** to choose the desired extension number. The extension number ranges from **11** to **26**. Press **MENU/SELECT** to save.

   (Continued on next page)

```
   IP obtained:
   XXX.XXX.X.XXX
   Press SELECT
    to proceed
```

```
 Enter the name
 of the Console
  connecting to
   this phone.
```

```
              ◆▶
  Console's name:
 Console_
```

```
  Please set an
 extension number
  to this phone.
```

```
 Set Ext No.
 ◀       12       ▶
```

8

Getting started
Deskset installation

6. It takes up to 60 seconds to complete the connection. The screen displays **Connected to Console** (**Console** represents the name of the console) when the connection is successful.

   • If the deskset displays **Please check: 1. Console's name and network info 2. Ethernet**, make sure you enter your console's name correctly and the Ethernet switch or router is installed properly. Repeat steps 3-5 above to connect to console again.

7. The desket displays **Starting...** It takes a while for the system to finish the startup and the desket enters idle screen when the startup is done.

8. Lift the handset. If you hear a dial tone, the installation was successful.

```
┌─────────────────────┐
│                     │
│                     │
│                     │
│                     │
│ Starting...         │
└─────────────────────┘
```
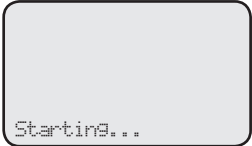
📱 *NOTES:*

• If the connection is not successful, the desket returns to the previous screen. Try the connection process again.

• Make sure you assign a unique extension number to the desket.

• If you want to replace a desket and keep the same extension number, release its extension number after disconnected from the console. See **Release extension number** in the online complete user's manual of your UP416 console.
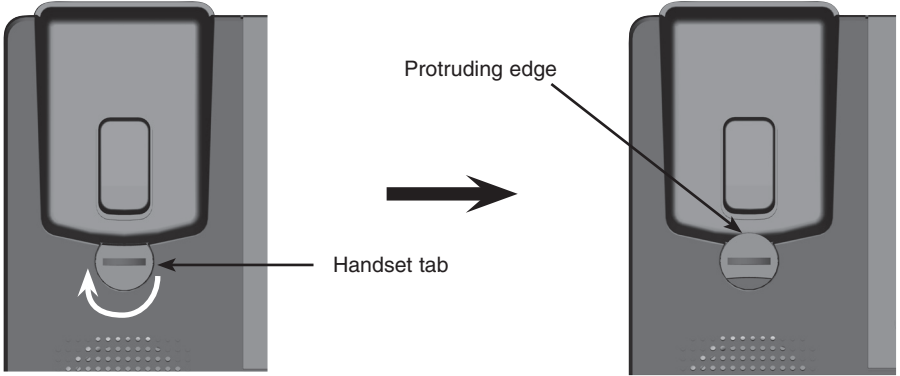
Getting started
Wall mount installation

To mount the deskset on the wall

1. Unplug the power adapter from the power outlet. Unplug the Ethernet cable from the Ethernet switch or router.

2. Put the corded handset aside. Use a coin to rotate the handset tab 180 degrees. The protruding edge holds the corded handset when the phone is mounted on the wall.

Protruding edge

Handset tab

3. Lift the kickstand as indicated by the arrows below to release it from the grooves.

Getting started
Wall mount installation

4. Snap the kickstand into the outermost grooves until it locks into place.

5. Install the wall mount bracket to the deskset as shown below. Insert the upper tabs of the mounting bracket into the upper slots at the back of the deskset. Press the lower tabs of the mounting bracket into the lower slots at the back of the deskset until they lock into place.
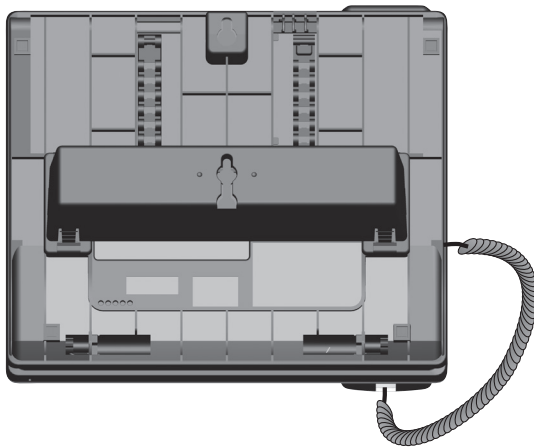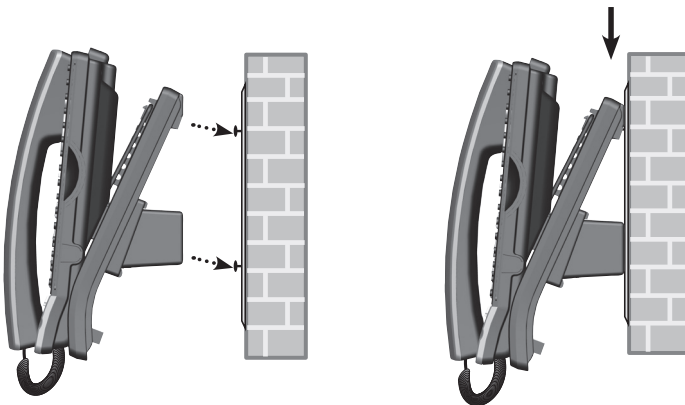
Getting started
Wall mount installation

6. Connect the Ethernet cable to the Ethernet network that your console is connected to. Plug the power adapter into an electrical outlet not controlled by a wall switch.

Standard wall plate

Ethernet switch/ Router
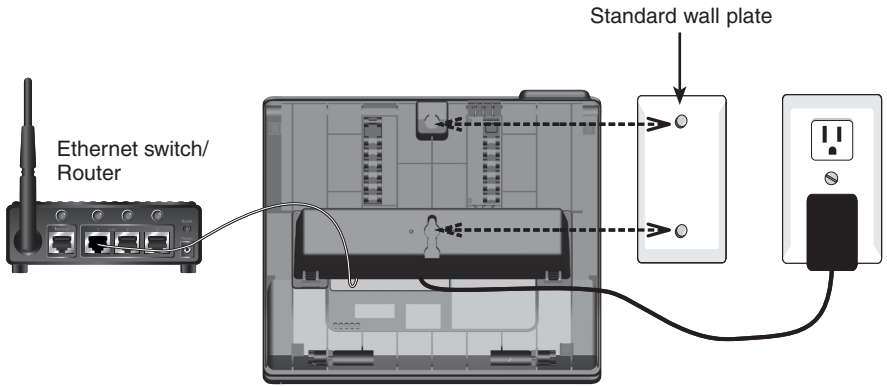
7. Align the upper wall mounting hole on the back of the deskset with the upper tab of the standard wall plate. Make sure the lower wall mounting hole on the mounting bracket also aligns with the lower tab of the standard wall plate. Push the deskset down until it clicks securely in place.

8. Bundle the Ethernet cable and power adapter cord neatly with twist ties.

Getting started
Wall mount installation

Wall mount to tabletop installation

To change the deskset from the wall mount position to tabletop position, follow the steps below.

1. If the Ethernet cable and power adapter cord are bundled, untie them first.

2. Push the deskset up to remove it from wall. Unplug the Ethernet cable from the Ethernet switch or router and the power adapter from the power outlet.

3. See **Deskset installation** section on pages 6-8.
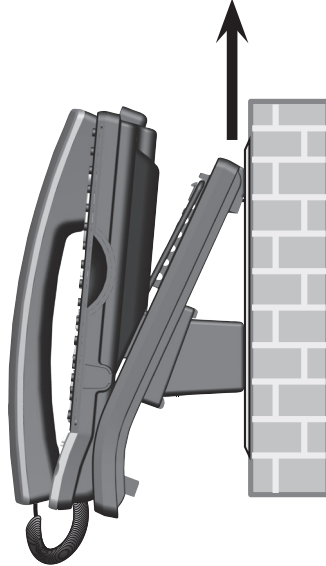
Getting started
System setup

Prime line

Use this feature, also known as automatic line selection, to choose which line is automatically selected each time you make an outside call. If you select **Auto**, the deskset picks up any plugged telephone line starting from Line 1.

To set the prime line:

1. When the telephone is idle, press **MENU/SELECT**.

2. Press ▲ or ▼ to scroll to **System Setup**, then press **MENU/SELECT** or ▶**/SKIP**.

3. Press ▲ or ▼ to scroll to **Prime Line**, then press **MENU/SELECT** or ▶**/SKIP**.

4. Press ▲ or ▼ to choose the desired line, then press **MENU/SELECT** or ▶**/SKIP**. To exit without making changes, press **CANCEL**.

NOTE: If you install less than four telephone line cords to the UP416 console and select **Auto** as your **Prime line** setting, make sure you plug in your telephone line cords starting from L1/2 jack. Avoid having any unoccupied telephone jack between other occupied telephone jacks.

```
                              ⬍
  One Touch
  Phone Settings
 >System Setup
  Registration
```

```
                              ⬍
     System Setup
  Set Ext No.
 >Prime Line
  Network Setup
```

```
                              ⬍
     Prime Line
  Line 3
  Line 4
 >Auto
```

Telephone settings
Telephone setup

Ringer volume

Use this feature to set the ringer volume to one of six levels or turn the ringer off. When the ringer is off, the 🔔 icon appears on the deskset screen. The UP406 deskset stores the volume setting for all lines.
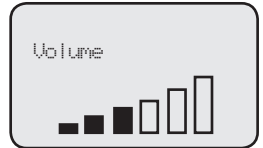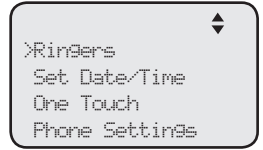
1. When the deskset is idle, press **MENU/SELECT**.

2. Press **MENU/SELECT** again or ▶**/SKIP** to select **Ringers**.

3. Press **MENU/SELECT** again or press ▶**/SKIP** to select **Ringer Volume**.

4. Press ▲, ▼, ◀**/REPEAT**, ▶**/SKIP**, or ▲**/VOLUME/**▼ on the deskset to adjust the ringer volume.

5. Press **MENU/SELECT** to save the setting and return to the previous menu. To exit without making changes, press **CANCEL**.

-OR-

When the deskset is idle, press ▲**/VOLUME/**▼ to adjust the ringer volume, then press **MENU/SELECT** to save.

NOTE: The ringer volume also determines the ringer volume for intercom calls. If the deskset ringer volume is set to off, it is silenced for all incoming calls, including intercom calls.

Set date/time

The answering system displays the date and time of the message while playing messages. Before using the answering system, set the date and time as follows.

Follow the steps below to set the month, day, year and time:

1. When the deskset is idle, press **MENU/SELECT**.

2. Press ▲ or ▼ to scroll to **Set Date/Time**, then press **MENU/SELECT** or ▶**/SKIP**.

3. Use the dialing keys to enter the month (MM), day (DD) and year (YY). Press ◀**/REPEAT** or ▶**/SKIP** to scroll between month, day and year.

4. Press **MENU/SELECT** to move to the time setting.

5. Use the dialing keys to enter the hour and minute.

6. Press ◀**/REPEAT** or ▶**/SKIP** to select **AM** or **PM**.

7. Press **MENU/SELECT** to save the setting and return to the previous menu. To exit without making changes, press **CANCEL**.
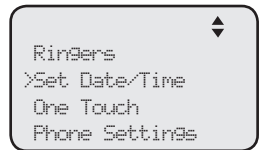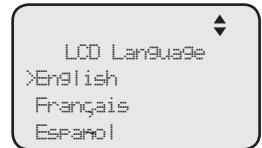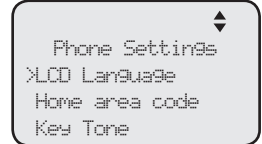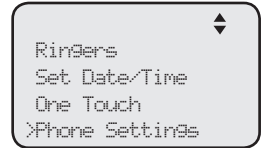
Telephone settings
Telephone setup

LCD language

This feature allows you to change the language used for all screen displays. The language settings on the console, desksets and cordless handset are independent. By default, the language is set to **English**.

1. When the deskset is idle, press **MENU/SELECT**.

2. Press ▲ or ▼ to scroll to **Phone Settings**, then press **MENU/SELECT** or ▶**/SKIP**.

3. Press ▲ or ▼ to scroll to **LCD Language,** then press **MENU/SELECT** or ▶**/SKIP**.

4. Press ▲ or ▼ to select **English**, **Français** or **Español**.

5. Press **MENU/SELECT** or ▶**/SKIP** to save the setting and return to the previous menu. To exit without making changes, press **CANCEL**.

```
                              ◆
Ringers
Set Date/Time
One Touch
>Phone Settings
```

```
                              ◆
  Phone Settings
>LCD Language
 Home area code
 Key Tone
```

```
                              ◆
  LCD Language
>English
 Français
 Español
```
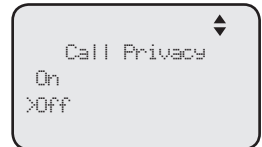
Call privacy

The call privacy is set to **Off** by default. The deskset allows other extensions to join a call in progress. You can turn this setting on to ensure that only one device uses a line at a time.

To turn this feature on or off:

1. When the deskset is idle, press **MENU/SELECT**.

2. Press ▲ or ▼ to scroll to **Phone Settings**, then press **MENU/SELECT** or ▶**/SKIP**.

3. Press ▲ or ▼ to scroll to **Call Privacy**, then press **MENU/SELECT** or ▶**/SKIP**.

4. Press ▲ or ▼ to scroll to **On** or **Off**.

5. Press **MENU/SELECT** or ▶**/SKIP** to save the setting and return to the previous menu. To exit without making changes, press **CANCEL** or ◀**/REPEAT**.
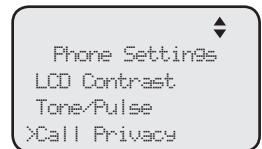
```
                              ◆
  Phone Settings
 LCD Contrast
 Tone/Pulse
>Call Privacy
```

```
                              ◆
  Call Privacy
 On
>Off
```

NOTE: To temporarily change the call privacy setting during a call, see page 18.

Telephone operation
Telephone operation

The deskset comes programmed to select the line automatically for calls when you do not press a line key. To override the automatic line selection setting, see **Prime line** on page 14 for details. When you answer a call, the deskset automatically selects the ringing line.
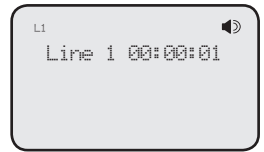
Making and ending a call

To make a call from the deskset:
1. Lift the handset or press **SPEAKER** ◀⧽**.**
   -OR-

   To override automatic line selection, press **LINE 1**-**LINE 4** for the desired line, then lift the handset.
2. Wait for a dial tone, then enter the telephone number. The screen displays the elapsed time as you talk (in hours, minutes and seconds).
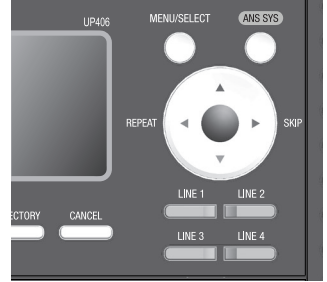
To end a call from the deskset:
- Place the handset on the deskset to hang up.
   -OR-
- Press the corresponding line key (**LINE 1**-**LINE 4**) to hang up.
   -OR-
- If you are using the speakerphone, press **SPEAKER** ◀⧽ to hang up.

NOTE: The elapsed time is not affected by accessing services from your telephone service provider.

On hook dialing (predialing)
1. Enter the telephone number. Press **DELETE** to make corrections.
2. Lift the handset or press **SPEAKER** ◀⧽ to dial.
   -OR-

   To override automatic line selection, press **LINE 1**-**LINE 4** for the desired line, then lift the handset.

Answering a call
Lift the handset, or press the corresponding line key (**LINE 1**-**LINE 4**) or **SPEAKER** ◀⧽ to answer an incoming call.

Temporary ringer silencing
When the telephone is ringing, you can temporarily silence the ringer of the deskset without disconnecting the call. Press **MUTE** to silence the ringer. The next call rings normally at the preset volume.

17

Telephone operation
Options while on calls

Call waiting

If you subscribe to call waiting service with your telephone service provider, you hear a beep if someone calls while you are in the middle of a call.

- Press **FLASH** to put your current call on hold and take the new call.

- Press **FLASH** at any time to switch back and forth between calls.

Volume control

Use this feature to independently set the listening volume to one of six levels for each of the listening options (corded handset, corded headset and speakerphone). All settings are independent. While on a call, press ▲**/VOLUME/**▼ to adjust the listening volume.
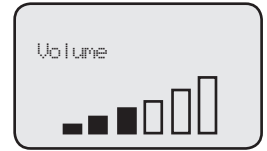
Call privacy

During a call, you can temporarily change the call privacy setting to allow or disallow other extensions to join the call. The original setting is automatically restored after you hang up.
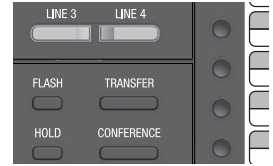
To turn call privacy off during a call:

1. During the call, press **MENU/SELECT**.
2. Press **MENU/SELECT** to select **Call Privacy**.
3. Press ▲ or ▼ to choose **Off**, then press **MENU/SELECT**.

Other extensions can now join the call by pressing the corresponding line key (**LINE 1**-**LINE 4**).

To turn call privacy back on during a call:

1. During the call, press **MENU/SELECT**.
2. Press **MENU/SELECT** to select **Call Privacy**.
3. Press ▲ or ▼ to choose **On**, then press **MENU/SELECT**. The deskset displays **PRIV**.

No extension can join the call now. If another extension tries to access the line you are using, it displays **Line is not available at this time**.

🕮 *NOTES:*

- You cannot set call privacy during intercom calls.
- To set call privacy for every incoming and outgoing call, see page 16.
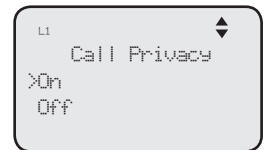
Telephone operation
Redial

The last 10 telephone numbers dialed (up to 30 digits) are stored in system memory. If there is a cordless handset registered to this deskset, the redial memory shares between the deskset and its registered cordless handset.

To view the 10 most recently dialed numbers

1. Press **AUTO REDIAL** to enter the redial list and display the most recently called number.
2. Press ▲ or ▼ to view other recently called numbers.
3. Press **CANCEL** to exit the redial list.

To redial a number

- When the desired number displays on the screen, lift the handset, press **SPEAKER** ◀ or **HEADSET**.
- To override automatic line selection, press **LINE 1**-**LINE 4** for the desired line, then lift the handset.

Telephone operation
Conference call

The system can support 5-way conference with a maximum of one outside call and four system extensions (including the initiating party), or two outside calls and three system extensions (including the initiating party). The outside call must be established first because an intercom call cannot be placed on hold.

There are two ways to establish a conference call.

A. Inviting parties using Intercom

The party who initiates the conference invites other system extensions to join the conference by using intercom after establishing the first outside call.

-OR-

B. Join a call in progress

Other system extensions can join the call in progress by pressing the line key which is currently in use for the conference to join the call.

A. Inviting parties using Intercom

1. Make or answer an outside call.

2. Press another available line key to make another outside call. The original outside call is put on hold. When the external party picks up, you can have a private conversation with that party.

```
L1  L2
   Conf. 00:00:00

L1:8005959511
L2:800267377
```
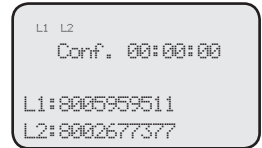
   -OR-

   Press **INTERCOM**. The outside call is put on hold. Press ▲ or ▼ to scroll to the desired extension, or enter the desired extension number directly. The called extension picks up the intercom call. You can now have a private conversation with that extension.

3. Press **CONFERENCE** at any time to begin the conference call.

4. If necessary, repeat step 2 (Intercom method) and step 3 above to invite another system extension to join the conference until the maximum capacity is reached.

5. Place the corded handset on the deskset or press **SPEAKER** ◄》 if you are using speakerphone to hang up. If the party who initiates the conference call hangs up, the conference call will be ended. The call will also be ended when all parties hang up.

*NOTE***:** If you want to start a conference with two outside calls, make sure you have invited two outside calls before inviting any system extensions.

Telephone operation
Conference call

To drop an outside line

• Press the corresponding line key (**LINE 1**-**LINE 4**).

-OR-

• If there are two outside calls, press **MENU/SELECT**, and then press ▲ or ▼ to choose **End Line X**. Press **MENU/SELECT** to confirm.

-OR-

• If the other end of the outside line hangs up the call, press the corresponding line key (**LINE 1**-**LINE 4**) to release that line for other system extension use.

B. Join a call in progress

1. Make or answer an outside call on the deskset, then press **MENU/SELECT**.

2. If the call privacy of your deskset is set to **On**, follow the instructions of **To turn call privacy off during a call** on page 18 to turn off the setting temporarily.

3. Any system extension can join the call by pressing the line key currently in use to join the conference until the maximum capacity is reached.

4. Place the corded handset on the deskset or press **SPEAKER** ◀ꙮ if you are using speakerphone to hang up. The call will be ended when all parties hang up.

🕮 *NOTES:*

• If the system extension who initiated the call does not turn off the call privacy setting and you try to join that call, the screen displays **Line is not available at this time**.

• If you have answered another outside call during a conference and want to resume the original call, end the existing call first, then lift the corded handset, or press **SPEAKER** ◀ꙮ or press **CONFERENCE**.

Telephone operation
Intercom

You can use the intercom feature for conversations between this deskset and a system deskset, or between two system desksets.

The console and each deskset in the telephone system MUST be assigned a unique extension number for the intercom feature to work. The assignment is done when the deskset is initially set up.

Make an intercom call to an extension

1. Press **INTERCOM** on the deskset when it is idle.
2. Press ▲ or ▼ to scroll to a desired extension, then press **MENU/SELECT**.

   -OR-

   Use the dialing keys to dial the extension number.
3. The screen displays **Intercom to: XX** (**XX** represents the extension number of destination device)**.**

```
                          ♦
       Intercom to:
>Reception        11
 Meeting room     12
 Ext 13           13
```

-OR-

If you have assigned extension numbers as one-touch entries (see **Assign a one-touch entry** on pages 23-24), you can initiate an intercom by pressing the desired one-touch button.

1. When the deskset is idle, press the desired one-touch button, or press **LOWER** followed by the desired one-touch button.
2. The deskset displays **Intercom to: XX** (**XX** represents the extension number of the destination device).

NOTES:
- Before the intercom call is answered, you can cancel the intercom by pressing **SPEAKER** 🔊 or **CANCEL**.
- You cannot intercom an extension that is on a call.
- If all four telephone lines are in use, the intercom feature is not available.

Answer an intercom call

When you receive an intercom call, you hear a ringing tone and your screen displays **Intercom from: XX** (**XX** represents the extension number of the calling device)**.** Lift the handset or press **SPEAKER** 🔊 to answer.

End an intercom call

Place the handset back to the deskset or press **SPEAKER** 🔊 if you are using the speakerphone.

Answer an incoming call during an intercom call

If you receive an incoming outside call during an intercom call, there is an alert tone.

To answer the call, press the corresponding line key (**LINE 1**-**LINE 4)**. The intercom call ends automatically.

Telephone operation
One touch
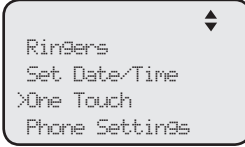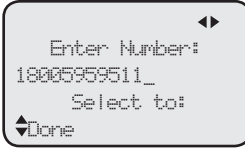
This deskset has 32 one- and two-touch memory locations (speed dial locations) where you can store the phone numbers or system extension numbers you wish to dial using fewer keys than usual. You can store up to 30 digits in each location.

You can access the first 16 locations using only the one-touch buttons. To access the remaining 16 locations, press **LOWER** and then the one-touch button for the desired location. You might wish to write the names, telephone numbers, or extension numbers of the one-touch entries on the directory card, using the light gray spaces for the upper 16 locations and the white spaces for the lower 16 locations.

Assign a one-touch entry

Use the following steps to program the one-touch keys.

1. When the deskset is idle, press **MENU/SELECT**.

2. Press ▲ or ▼ to scroll to **One Touch**, then press **MENU/SELECT** or ▶**/SKIP**.

3. Press ▲ or ▼ to scroll to **Program**, then press **MENU/SELECT** or ▶**/SKIP**.

4. The screen displays **Enter Number:**

5. Use the dialing keys to enter a deskset number (up to 30 digits) or an extension number.

   • Press **DELETE** to delete a digit.

   • Press ◀**/REPEAT** or ▶**/SKIP** to move the cursor to the left or right.

   • You can include a pause while storing a dialing sequence that requires one during actual dialing. Press ▲ or ▼ to choose **Add pause**, then press **MENU/SELECT**. A **P** appears on the screen.

   • Store a signal for switching to temporary tone signaling. If you have dial pause (rotary) service, this signal is required for some special services. Press ▲ or ▼ to choose **Send tone**, then press **MENU/SELECT**. A **T** appears on the screen. All numbers you enter after this will send touch-tone signals during dialing.

   • You can store the flash signal required by some special services as part of a dialing sequence. Press ▲ or ▼ to choose **Add flash**, then press **MENU/SELECT**. A **F** appears on the screen. Continue storing the number as usual.

```
                    ▲▼
 Ringers
 Set Date/Time
>One Touch
 Phone Settings
```

```
                    ▲▼
      One Touch
 View
>Program
```

```
                    ◀▶
    Enter Number:
18005959511_
     Select to:
▲▼Done
```

Telephone operation
One touch

Assign a one-touch entry (continued)

6. Press ▲ or ▼ to choose **Done**, then press **MENU/SELECT** to save the setting and return to the previous menu. To exit without making changes, press ▲ or ▼ to choose **Cancel**, then press **MENU/SELECT**, or press **CANCEL** to previous menu.

7. The screen displays **Press a 1-touch key to save the number**.
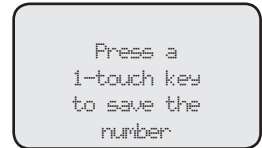
8. Press the desired one-touch key to store a the telephone number in the upper location.

    -OR-

    Press **LOWER**, then press the desired one-touch key to store the telephone number in the lower location.

9. The screen displays **Number saved to 1-touch key** briefly, and then **One Touch #XX** (**XX** represents the one-touch location) and the telephone number or extension number.

```
      Press a
     1-touch key
     to save the
       number
```

```
                        ◆
One Touch #18
18005959511

◄          Edit          ►
```

NOTE: If the one-touch location already has an assigned number, the screen displays **Replace 1-touch key memory?** Press **MENU/SELECT** to replace the old number with the new one.

To dial a one-touch entry

When the deskset is idle, press the desired one-touch button for the destination party in the upper location.

-OR-

When the deskset is idle, press **LOWER**, then press the one-touch button for the destination party in the lower location.

The deskset dials the one-touch number using the speakerphone.

Directory
Create directory entries

Create a new directory entry

Use the following steps to store a name and number in the directory.

1. When the deskset is idle, press **DIRECTORY**.

2. The deskset shows a summary with the number of directory entries stored. Press **MENU/SELECT** to add an entry**.**

3. The screen displays **Enter Name**. Use the dialing keys to enter the name (up to 15 characters). Each time you press a key, the character on that key appears. When entering a name in the directory, the first letter of each word is automatically capitalized. Additional key presses produce other characters on that key. See the chart below.
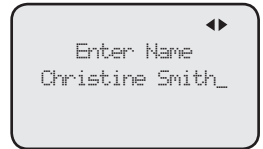
Dialing keys	Characters by number of key presses										
	1	2	3	4	5	6	7	8	9	10	11
1	1	.	-		(	)	*	#	&	/	,
2	a	b	c	A	B	C	2				
3	d	e	f	D	E	F	3				
4	g	h	i	G	H	I	4				
5	j	k	l	J	K	L	5				
6	m	n	o	M	N	O	6				
7	p	q	r	s	P	Q	R	S	7		
8	t	u	v	T	U	V	8				
9	w	x	y	z	W	X	Y	Z	9		
0	Space	0									
*****											
#											

- Press **DELETE** to delete a character.
- Press ◀**/REPEAT** or ▶**/SKIP** to move the cursor to the left or right.
- Press **0** to add a space.

4. Press **MENU/SELECT** to save. The screen displays **Enter Number**. Use the dialing keys to enter the number (up to 30 digits).

- Press **DELETE** to delete a digit.
- Press ◀**/REPEAT** or ▶**/SKIP** to move the cursor to the left or right.
- You can include a pause while storing a dialing sequence that requires one during actual dialing. Press ▲ or ▼ to choose **Add pause**, then press **MENU/SELECT**. A **P** appears on the screen.

Directory
Create directory entries

Create a new directory entry (continued)

- Store a signal for switching to temporary tone signaling. If you have dial pulse (rotary) service, this signal is required for some special services. Press ▲ or ▼ to choose **Send tone**, then press **MENU/SELECT**. A **T** appears on the screen. All numbers you enter after this will send touch-tone signals during dialing.

```
              ◀▶
      Enter Number
8005959511_
      Select to:
▲Done
```

- You can store the flash signal required by some special services as part of a dialing sequence. Press ▲ or ▼ to choose **Add flash**, then press **MENU/SELECT**. A **F** appears on the screen.

5. Press ▲ or ▼ to scroll to **Done**, then press **MENU/SELECT**. To exit without making changes, press **CANCEL**, or press ▲ or ▼ to scroll to **Cancel**, then press **MENU/SELECT**.
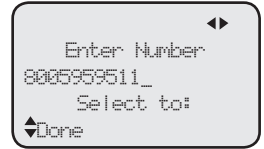
Directory
Search directory

Search by name

The names appear in alphabetical order. Follow the steps below to search for directory entries on the deskset.

1. Press **DIRECTORY** on the deskset. The screen displays a summary with the number of directory entries stored.
2. Press ▲ or ▼ to browse through the directory.
3. Use the dial pad keys (**2**-**9**) to enter a letter to start a name search.
   - If there is an entry matching the letter you press, the directory shows the first name beginning with that letter.
   - If there is no entry matching the letter you press, the directory shows the next closest entry or the last entry.

For example, if you have the names **Jennifer**, **Jessie**, **Kevin** and **Linda** in your directory:

- If you press **5 (JKL)** once, you see **Jennifer**.
- If you press **5 (JKL)** twice, you see **Kevin**.
- If you press **5 (JKL)** three times, you see **Linda**.
- To view **Jessie**, press ▼ while **Jennifer** is displayed.

Display dial

When a number is displayed on the screen, you can dial the number by lifting the corded handset, pressing **SPEAKER** ◀ or the desired line key (**LINE 1**-**LINE 4**).

Caller ID
Caller ID operation

Review the caller ID information

1. When the deskset is idle, press
   CALL HISTORY. The deskset displays
   XX New calls (the number of missed call) and
   XX calls (the total number of missed calls and
   reviewed calls).

2. Press ▲ or ▼ to review the caller ID
   information. The caller ID entries are stored in
   reverse chronological order starting with the
   most recent entry.

3. To exit without making changes, press **CANCEL**.

Dial a call history entry

1. When in the caller ID history, press ▲ or ▼ to browse the number you wish
   to call.

2. Lift the handset or press **SPEAKER** ◀◎.

   -OR-

   To override automatic line selection, press the desired line key (**LINE 1**-
   LINE 4), then lift the handset to call.

Answering system
Private mailbox setup

This deskset has a private mailbox that can answer calls and record messages when the auto attendant of the console and the private mailbox of the deskset are turned on.

When the auto attendant in the console picks up a call, the caller has to enter the extension number of this deskset to access the private mailbox. The private mailbox answers the call after ring delay time you set in the **Private mailbox delay**, see online complete user's manual for details.

Private mailbox on/off

You can turn the private mailbox on or off. The deskset displays **MB** when the private mailbox is set to **On**.

1. When the deskset is idle, press **ANS SYS**.
2. Press ▲ or ▼ to scroll to **Private Mailbox**, then press **MENU/SELECT** or ▶/**SKIP**.
3. Press ▲ or ▼ to scroll to **Priv MB ON/OFF**, then press **MENU/SELECT** or ▶/**SKIP**.
4. Press ▲ or ▼ to choose **On** or **Off**.
5. Press **MENU/SELECT** or ▶/**SKIP**.

```
                    ▲
                    ▼
     Priv MB ON/OFF
 >On
  Off
```
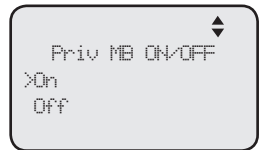
Announcement

An announcement plays when calls are answered by the private mailbox. The system has a default announcement, *"Hello, please leave a message after the tone."* You can use this announcement or record your own.

You can record an announcement up to 150 seconds.

To record the announcement:

1. When the deskset is idle, press **ANS SYS**.
2. Press ▲ or ▼ to scroll to **Private Mailbox**, then press **MENU/SELECT** or ▶/**SKIP**.
3. Press ▲ or ▼ to scroll to **Announcement**, then press **MENU/SELECT** or ▶/**SKIP**.
4. Press ▲ or ▼ to scroll to **Record**, then press **MENU/SELECT** or ▶/**SKIP**.
5. Lift the handset or face the deskset to record your announcement. The screen displays **Record OGM** and the time elapsed. Press **MENU/SELECT** to stop recording.

```
                    ▲
                    ▼
     Announcement
  Play
 >Record
  Reset
```

```
 Record OGM
 00:15
 Press SELECT to:
        STOP
```

```
                    ▲
                    ▼
     Announcement
 >Play
  Record
  Reset
```
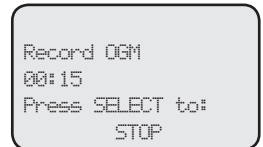
NOTE: When you are recording your announcement and there are incoming calls, you can press ▲ or ▼ to view the caller ID information. To answer the call, lift the handset, or press the corresponding line key (**LINE 1**-**LINE 4**), **SPEAKER** 🔊 or **HEADSET** on the deskset.

Answering system
Answering system operation

Message playback

You can choose to play the new messages only or play all messages (new messages and old messages).

By default, the system announces the date and time of the recording before playing each message. After the last message, you hear "*End of the messages.*"

To listen to messages in the mailbox:

1. While the deskset is idle, press **ANS SYS** on the deskset.

2. Press ▲ or ▼ to choose **Play Messages**, then press **MENU/SELECT**.

3. Press ▲ or ▼ to choose **Play new msgs** to play the new messages only or **Play all msgs** to play all the messages in the mailbox.

4. Press **MENU/SELECT** or ▶**/SKIP** to play the messages.

5. The system announces the number of messages, date and time the message was received, then starts playing the messages. If there are no messages in the mailbox, the system announces, "*No new messages.*" if you have chosen **Play new msgs**, or "*No messages.*" if you have chosen **Play all msgs**.

```
                        ▲
                        ▼
>Play Messages
 Private Mailbox
 Ans Sys Setup
 Record Time
```

```
                        ▲
                        ▼
   Play Messages
>Play new msgs
 Play all msgs
```

🖐 *NOTES:*

- If you want to play the messages without hearing the date and time information, set the **Msg Date/Time** option to **Skip**. For details, see the **Answering system setup** section in the online complete user's manual.

- When you are playing the messages and there are incoming calls, you can press ▲ or ▼ to view the caller ID information. To answer the call, lift the handset, or press the corresponding line key (**LINE 1**-**LINE 4**), **SPEAKER** ◀》 or **HEADSET** on the deskset.

Options during playback

When a message is playing, you can adjust the playback volume, skip, repeat, delete the message, or switch between speakerphone and handset earpiece.

When a message is playing on the deskset:

- Press ▲**/VOLUME** or **VOLUME/**▼ to adjust the message playback volume.

- Press ▶**/SKIP** after the date and time announcement to skip to the next message.

- Press ◀**/REPEAT** to repeat the current message. Immediately press ◀**/REPEAT** after the date and time announcement to hear the previous message.

- Press ▼ to stop the message playback. Press ▲ to start the message playback.

- Press **DELETE** after the date and time announcement to delete the message. The system announces "*Message deleted.*"

- Lift the handset to listen to the message playback through the handset earpiece. Place the handset on the deskset or press **SPEAKER** ◀》 to switch back to speakerphone.

Answering system
Remote access

Use this feature to reach your answering system remotely by calling any telephone line connected this deskset from any touch-tone telephone. Make sure the auto attendant feature of your UP416 console, and the private mailbox of the extension are turned on for this feature to work. Remote access can only play messages stored in the private mailbox.

To remotely reach the answering system:

1. Dial any telephone line connected to the console from any touch-tone telephone.
2. When the system answers, enter the extension number.
3. When the private mailbox of the extension answers, enter the three-digit remote access code (**333** is the default code; if you want to change the code, see **Remote access code** in the online complete user's manual).
4. You can also enter the following remote commands.

Remote commands:

1	Press to play all new messages.
1✶	Press to play all messages.
2	Press within three seconds of the message playing to go back to the previous message. Press after three seconds of the message playing to repeat the message currently playing.
3	Press to skip the current message.
7	Press to play private mailbox announcement. • Press **9** and wait for the beep before speaking. • Press **#** to stop recording.
8	Press to stop the playing message.
9	Press to start recording a memo. • Press **#** to stop recording.
0	Press to turn the private mailbox on or off.
#	Press during a message playback to delete current message.
✶	Press during a message playback to delete all messages.

5. Hang up to end the call.

Answering system
Remote access

🜨 *NOTES:*

- If you do not enter the valid remote access code after you enter the answering system successfully, the answering system starts to record the message after the tone.

- If the memory is full, the system announces, "*Memory is full*" when you try to record a memo by pressing 9. You cannot record new memo until some old messages in the mailboxes are deleted. Check the system remaining space frequently to maintain availability of space.

Appendix
Troubleshooting

If you have difficulty with your telephone, please try the suggestions below. For customer service, visit our website at **businessphones.vtech.com** or call **1 (800) 595-9511**. In Canada, dial **1 (800) 267-7377**.

The deskset fails to obtain an IP from the Ethernet switch or router.

• Make sure your Ethernet switch or router is properly installed and plugged into the Ethernet network.

• Make sure the DHCP is enabled on your router, so that it can allocate IP automatically.

• You may need to enter a static IP to the deskset. Refer to **Network setup** in the online complete user's manual for more details.

The deskset displays Check Network.

• Make sure your deskset is connected to the Ethernet switch or router properly.

• If you have set a static IP manually, you need to reboot the deskset to apply the new setting.

• Your router may have reassigned a new IP address to the deskset. Reboot the deskset to update.

• You Ethernet cable may be defective. Try installing a new one.

My telephone base doesn't work at all.

• Make sure the power cord is securely plugged in.

• Make sure you plug the Ethernet cable securely and firmly into the deskset and the Ethernet switch or router.

• Refer to **Deskset installation** on pages 6-8 to reset the system. Allow at least one minute for the deskset to reset.

• This system is not compatible with any other VTech 4 line business telephones, except for the UP416 and UP407 telephones.

There is no dial tone.

• First try all the suggestions above.

• Make sure you plug the handset cord securely and firmly into the (jack on the deskset and the corded handset.

• Your Ethernet cable might be defective. Try installing new ones.

• Make sure a line is selected. Press a line key or **SPEAKER** ◀).

• If there is no dial tone when you press **HEADSET**, make sure the corded headset is firmly connected to the ⌒ jack.

Appendix
Troubleshooting

I cannot dial out.

- First try all the suggestions above.

- Make sure you have a dial tone before dialing. The corded handset might take a second or two to connect the deskset and produce a dial tone. This is normal. Wait an extra second before dialing.

- Make sure the deskset is set to the correct dial mode (pulse dial or tone dial) for the service in your area. Refer to **Dial mode** in the online complete user's manual to set the dial mode.

- If the other telephones in your building are having the same problem, contact your telephone service provider.

I cannot switch a call from the deskset to the UP407 cordless handset.

- Make sure the system has only one line operating. You cannot switch the call from the deskset to your UP407 cordless handset if there is more than one telephone line in operation.

The deskset obtained an IP from the Ethernet switch or router but is not connected to the console.

- You have to enter the name of the console and assign an extension number to this deskset after an IP is obtained. Refer to **Deskset installation** on page 9 for details.

- Make sure both the console and deskset are directly connected to the same Ethernet switch or router.

Appendix
Maintenance

Taking care of your telephone

- Your telephone base contains sophisticated electronic parts, so you must treat it with care.
- Avoid rough treatment.
- Place the corded handset down gently.
- Save the original packing materials to protect your telephone base if you ever need to ship it.

Avoid water

- You can damage your telephone base if it gets wet. Do not use the corded 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 base 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 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.

Appendix
FCC part 68 and ACTA

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

The plug and jack used to connect this equipment to premises wiring and the telephone network must comply with the applicable Part 68 rules and technical requirements adopted by ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. An RJ11 jack should normally be used for connecting to a single line and an RJ14 jack for two lines. See Installation Instructions in the user's manual.

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

This equipment may not be used with Party Lines. If you have specially wired alarm dialing equipment connected to telephone line, ensure the connection of this equipment does not disable your alarm equipment. If you have questions about what will disable the alarm equipment, consult your telephone service provider 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**.

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

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

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

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

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

Industry Canada

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 received, including interference that may cause undesired operation.

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

The Ringer Equivalence Number (REN) for this terminal equipment is 0.1. The REN is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five.

This product meets the applicable Industry Canada technical specifications.

Appendix
FCC part 15

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 his own expense.

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

Cet appareil numérique de classe A est conforme à l'exigence canadienne:
CAN ICES-3 (A)/NMB-3(A)

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 20cm from nearby persons.

Appendix
Limited warranty

1. 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.

2. What will be done 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.

3. How long is the limited warranty period?

The limited warranty period for the PRODUCT extends for TWO (2) YEARS 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 two-year limited warranty; whichever is longer.

4. What is not covered by this limited warranty?

This limited warranty does not cover:

- 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

- PRODUCT that has been damaged due to repair, alteration, or modification by anyone other than an authorized service representative of VTech; or

- PRODUCT to the extent that the problem experienced is caused by signal conditions, network reliability or cable or antenna systems; or

- PRODUCT to the extent that the problem is caused by use with non-VTech accessories; or

- PRODUCT whose warranty/quality stickers, PRODUCT serial number plates or electronic serial numbers have been removed, altered or rendered illegible; or

- 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

- PRODUCT returned without a valid proof of purchase (see item 6 below); or

- Charges for installation or setup, adjustment of customer controls, and installation or repair of systems outside the unit.

Appendix
Limited warranty

5. How do you get warranty service?

To obtain warranty service, visit **businessphones.vtech.com** or call **1 (800) 595-9511**. In Canada, please dial **1 (800) 267-7377**.

NOTE: Before calling for service, please review the user's manual; a check of the PRODUCT's controls and features may save you a service call.

Except as provided by applicable law, you assume the risk of loss or damage during transit and transportation and are responsible for delivery or handling charges incurred in the transport of the PRODUCT(s) to the service location. VTech will return repaired or replaced PRODUCT under this limited warranty 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.

6. What must you return with the PRODUCT to get warranty service?

You must:

- Return the entire original package and contents including the PRODUCT to the service location along with a description of the malfunction or difficulty; and

- Include a "valid proof of purchase" (sales receipt) identifying the PRODUCT purchased (PRODUCT model) and the date of purchase or receipt; and

- Provide your name, complete and correct mailing address, and telephone number.

7. 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 date of purchase. Some states/provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. In no event shall VTech be liable for any indirect, special, incidental, consequential, or similar damages (including, but not limited to lost profits or revenue, inability to use the PRODUCT or other associated equipment, the cost of substitute equipment, and claims by third parties) resulting from the use of this PRODUCT. Some states/provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Please retain your original sales receipt as proof of purchase.

Appendix
Technical specifications

RF frequency band	1921.536MHz - 1928.448MHz
Channels	5
Operating temperature	32°F - 122°F 0°C - 50°C
Telephone base voltage (AC adapter output)	5.1VDC @1200mA
Ethernet Network Ports	10/100 Mbps RJ-45 Port