vtech®
Innovation Beyond Technology℠

Analog Classic Series
Master User Guide

Models:
Analog corded lobby hotel telephone - A1100,
Analog corded 1-line hotel telephone - A1210,
Analog corded 2-line hotel telephone - A1220,
Analog corded trimstyle hotel telephone - A1310,
Analog cordless 1-line hotel telephone - A1410,
Analog cordless 2-line hotel telephone - A1420,
Analog cordless charging base - C3000,
Analog cordless 1-line accessory handset - C3100, and
Analog cordless 2-line accessory handset - C3200

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 a 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 telephone base and handset are provided for ventilation. To protect them from overheating, these openings must not be blocked by placing the product on a soft surface such as a bed, sofa or rug. This product should never be placed near or over a radiator or heat register. This product should not be placed in any area where proper ventilation is not provided.
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 supply on 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 telephone base or handset because they may touch dangerous voltage points or create a short circuit. Never spill liquid of any kind on the product.
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 telephone base or handset other than specified access doors may expose you to dangerous voltages or other risks. Incorrect reassembling can cause electric shock when the product is subsequently used.
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 telephone base and/or handset has been damaged.
    F. If the product exhibits a distinct change in performance.
13. Avoid using a telephone (other than cordless) during an electrical storm. There is a remote risk of electric shock from lightning.
14. Do not use the telephone to report a gas leak in the vicinity of the leak. Under certain circumstances, a spark may be created when the adapter is plugged into the power outlet, or when the handset is replaced in its cradle. This is a common event associated with the closing of any electrical circuit. The user should not plug the phone into a power outlet, and should not put a charged handset into the cradle, if the phone is located in an environment containing concentrations of flammable or flame-supporting gases, unless there is adequate ventilation. A spark in such an environment could create a fire or explosion. Such environments might include: medical use of oxygen without adequate ventilation; industrial gases (cleaning solvents; gasoline vapors; etc.); a leak of natural gas; etc.
15. Only put the handset of your telephone next to your ear when it is in normal talk mode.
16. The power adapters are intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.
17. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.
18. CAUTION: Keep small metallic objects such as pin and staple away from the handset receiver.
19. CAUTION: Risk of explosion if the handset battery of the cordless 1-line and 2-line telephone (A1410, A1420, C3100 and C3200) is replaced by an incorrect type. Use only the supplied rechargeable battery (BT264392) or replacement battery. Disposal of used battery according to the instruction in **The RBRC® seal** on page 33.
20. Ne pas utiliser l'appareil près de l'eau, p.ex., près d'une baignoire, d'un lavabo, d'un évier de cuisine, d'un bac à laver, dans un sous-sol humide ou près d'une piscine.
21. Éviter d'utiliser le téléphone (sauf s'il s'agit d'un appareil sans fil) pendant un orage électrique. Ceci peut présenter un risque de choc électrique causé par la foudre.
22. Ne pas utiliser l'appareil téléphonique pour signaler une fuite de gaz s'il est situé près de la fuite.
23. Utiliser seulement le cordon d'alimentation et le type de piles indiqués dans ce manuel. Ne pas jeter les piles dans le feu: elles peuvent exploser. Se conformer aux règlements pertinents quant à l'élimination des piles.
24. La socklet-sortie sera installée près de l'équipement et serafacilement accessible.
25. ATTENTION- Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

SAVE THESE INSTRUCTIONS

Table of contents

Important safety instructions ..... **i**

Parts checklist **1**

Telephone layout **2**
Analog corded lobby - A1100 2
Analog corded 1-line - A1210 3
Analog corded 2-line - A1220 4
Analog corded trimstyle - A1310 5
Analog cordless 1-line - A1410 6
Analog cordless 2-line - A1420 7
Analog cordless charging base - C3000 8
Analog cordless 1-line accessory handset - C3100 9
Analog cordless 2-line accessory handset - C3200 10

Installation **11**
Analog corded lobby/1-line/2-line - A1100/A1210/A1220 11
Analog corded trimstyle - A1310 13
Analog cordless 1-line/2-line - A1410/A1420 14
Analog cordless charging base - C3000 17
Analog cordless 1-line/2-line accessory handset - C3100/C3200 18

Telephone settings **19**
Analog corded lobby/1-line/2-line - A1100/A1210/A1220 19
Analog corded trimstyle - A1310 20
Analog cordless 1-line/2-line - A1410/A1420 21

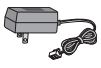
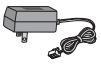
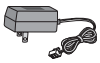
Telephone operation **22**
Analog corded 1-line - A1210 22
Analog corded 2-line - A1220 23
Analog corded trimstyle - A1310 25
Analog cordless 1-line - A1410 26
Analog cordless 2-line - A1420 28

Appendix **30**
Troubleshooting 30
Precautions for users of implanted cardiac pacemakers 33
About cordless telephones 33
The RBRC® seal 33
Warranty 34
FCC, ACTA and IC regulations 35
Maintenance 36
Technical specifications 36

Index **37**

Parts checklist

Items contained in the respective telephone package:

Model Name	Model number	Parts included
Analog corded lobby	A1100	Telephone base Corded handset Telephone line cord
Analog corded 1-line	A1210	Telephone base Corded handset Telephone line cord
Analog corded 2-line	A1220	Telephone base Corded handset Telephone line cord
Analog trimstyle 1-line	A1310	Telephone base Corded handset Telephone line cord
Analog cordless 1-line	A1410	Telephone base Cordless handset Battery Screw  Power adapter with RJ-45 cord Telephone line cord
Analog cordless 2-line	A1420	Telephone base Cordless handset Battery Screw  Power adapter with RJ-45 cord Telephone line cord
Analog cordless charging base	C3000	Charging base Mounting bracket with a screw  Power adapter with RJ-45 cord
Analog cordless 1-line accessory handset	C3100	Cordless handset Battery Screw
Analog cordless 2-line accessory handset	C3200	Cordless handset Battery Screw

Telephone layout

Analog corded lobby - A1100

Telephone layout

Analog corded 1-line - A1210

Telephone layout

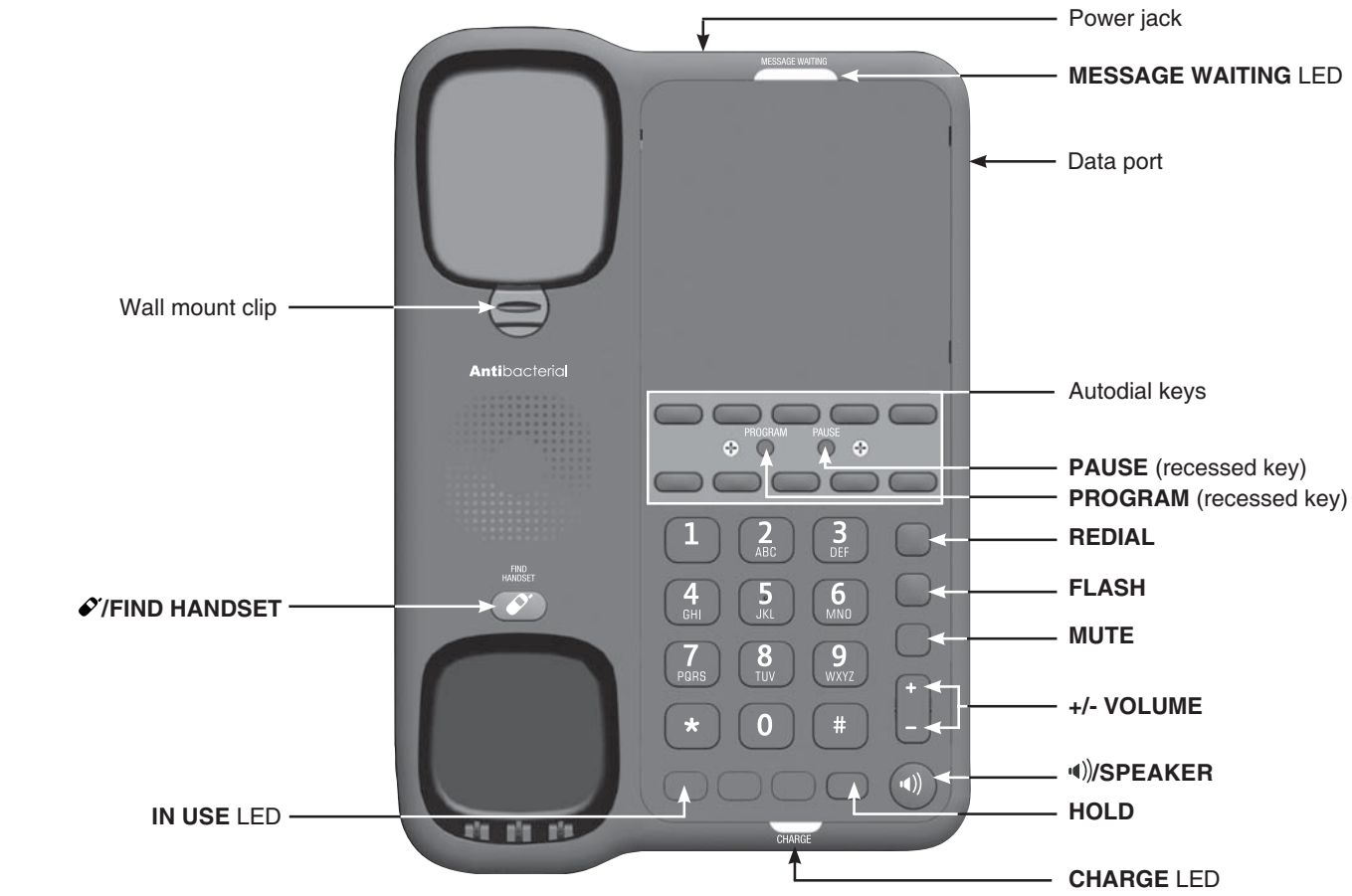
Analog corded 2-line - A1220

Telephone layout

Analog corded trimstyle - A1310

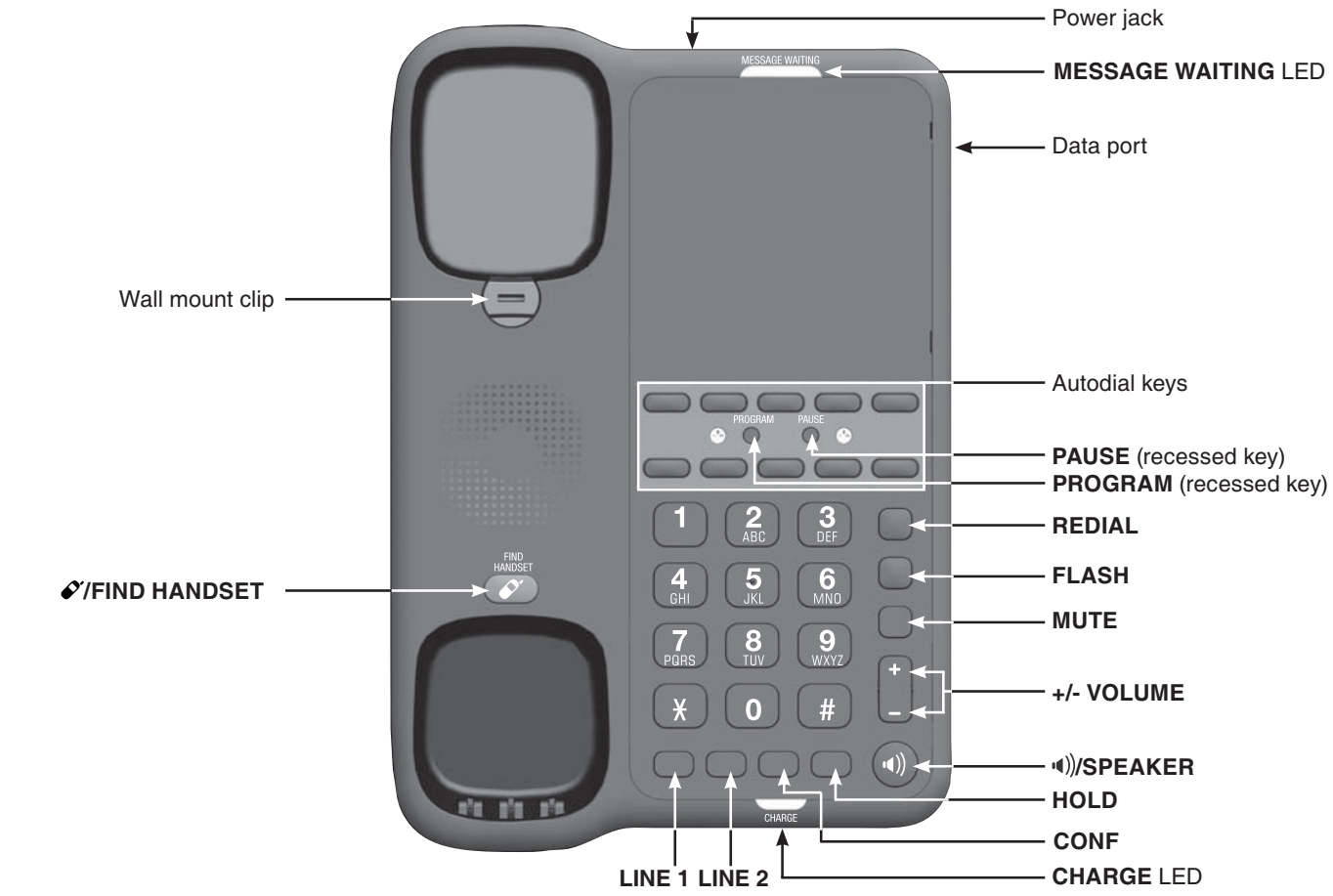
Telephone layout

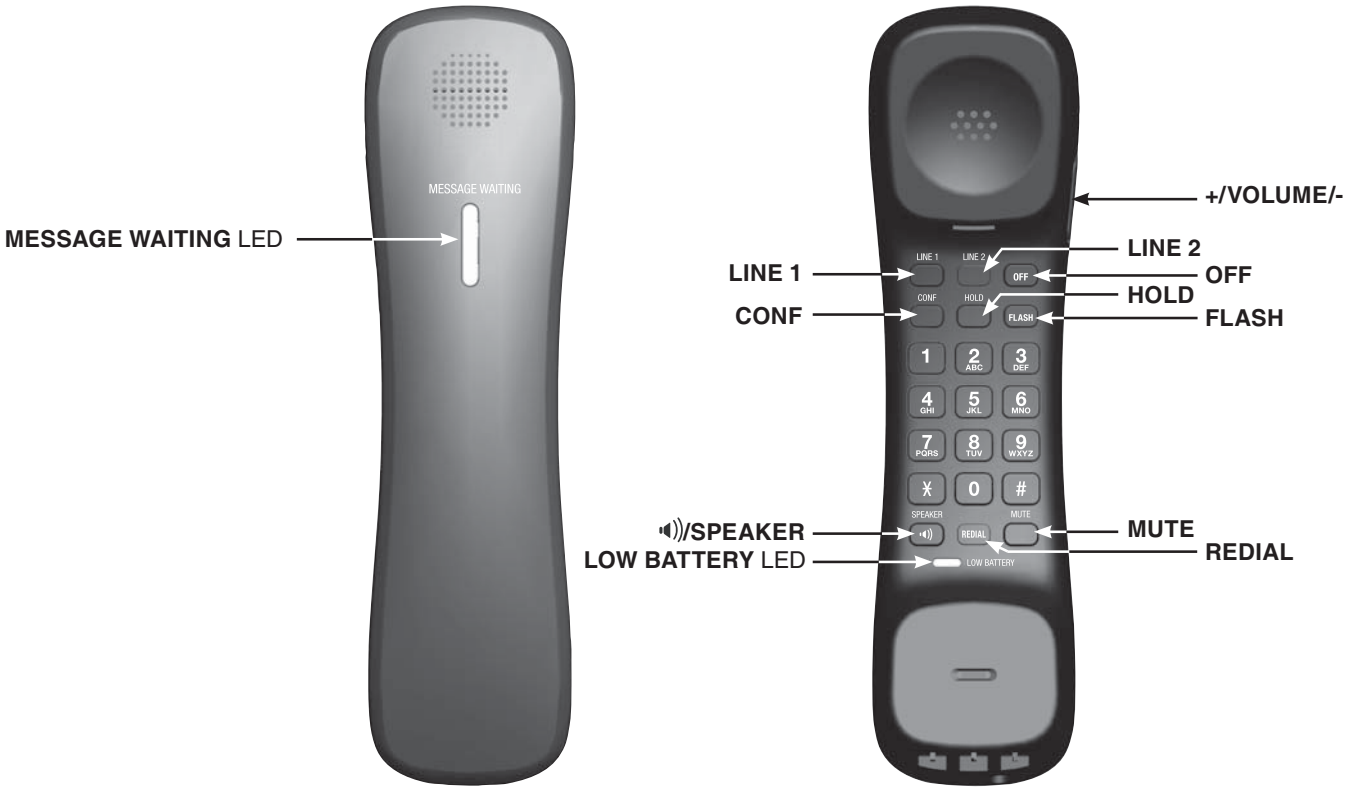
Analog cordless 1-line - A1410



Telephone layout

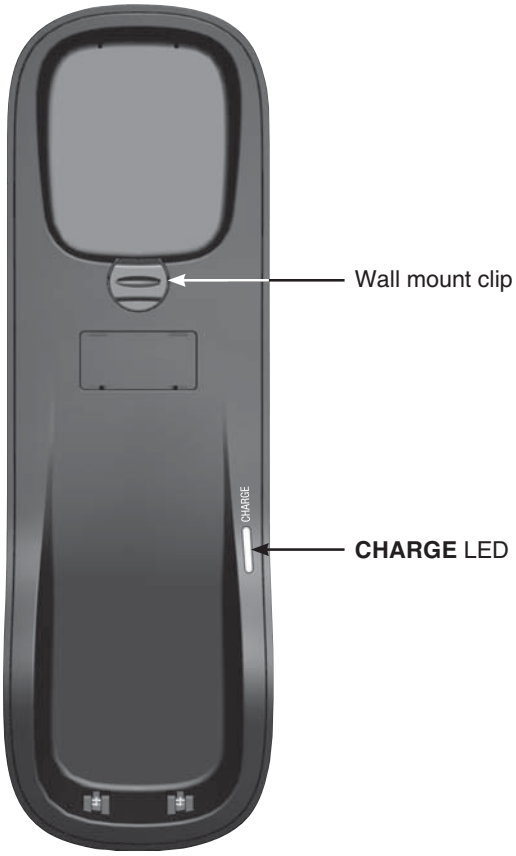
Analog cordless 2-line - A1420





Telephone layout

Analog cordless charging base - C3000



Telephone layout

Analog cordless 1-line accessory handset - C3100

Telephone layout

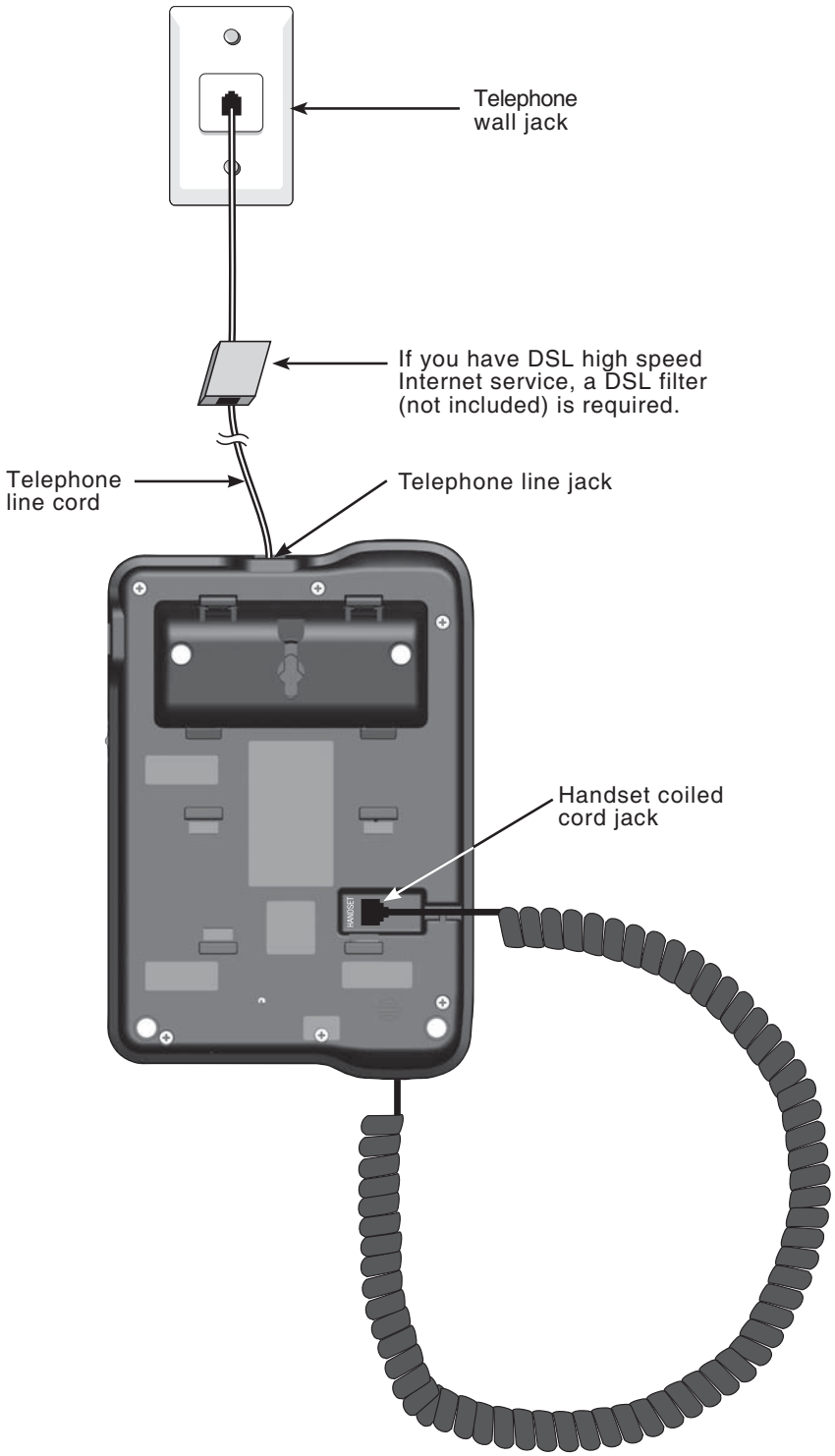
Analog cordless 2-line accessory handset - C3200

Installation

Analog corded lobby/1-line/2-line - A1100/A1210/A1220

Telephone base installation

The telephone comes ready for desktop use. Install the telephone base as shown below.



Installation

Analog corded lobby/1-line/2-line - A1100/A1210/A1220

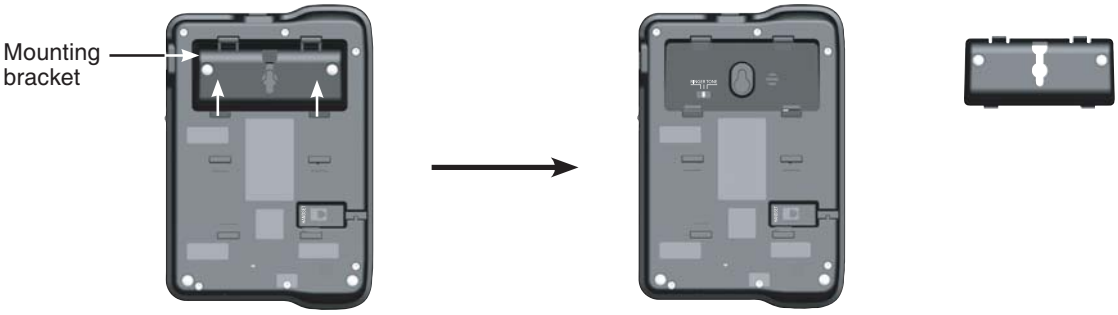
Installation option - converting from desktop to wall mount position

This telephone can be adapted to desktop use or mount on a standard telephone wall plate.

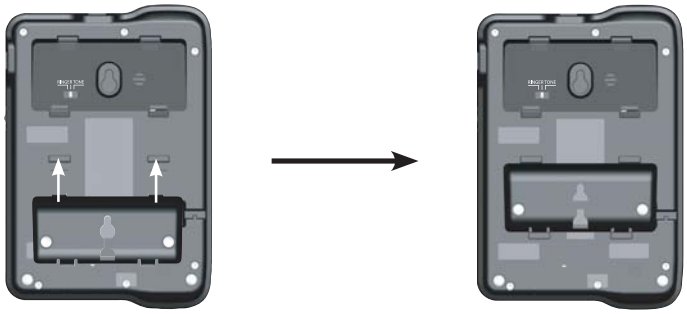
To mount the telephone base on the wall:

1. Set aside the handset. On the handset cradle, place a coin in the provided slit of the wall mount clip and rotate a half turn (180 degrees). It locks into place with the protruding edge pointing towards the upper edge of the telephone base. This protruding edge holds the handset when the phone is mounted on the wall.

2. Turn the telephone base over with the bottom side facing up. To remove the mounting bracket, firmly push back both lower portion tabs and pull up until both tabs release from the grooves.



3. Turn the mounting bracket upside down so that the mounting eyelet on the bracket is facing in the same direction as the other mounting eyelet on the bottom side of the telephone base. Insert both lower portion tabs of the mounting bracket into the middle grooves. Then firmly push downward to insert both upper portion tabs in the lower grooves.



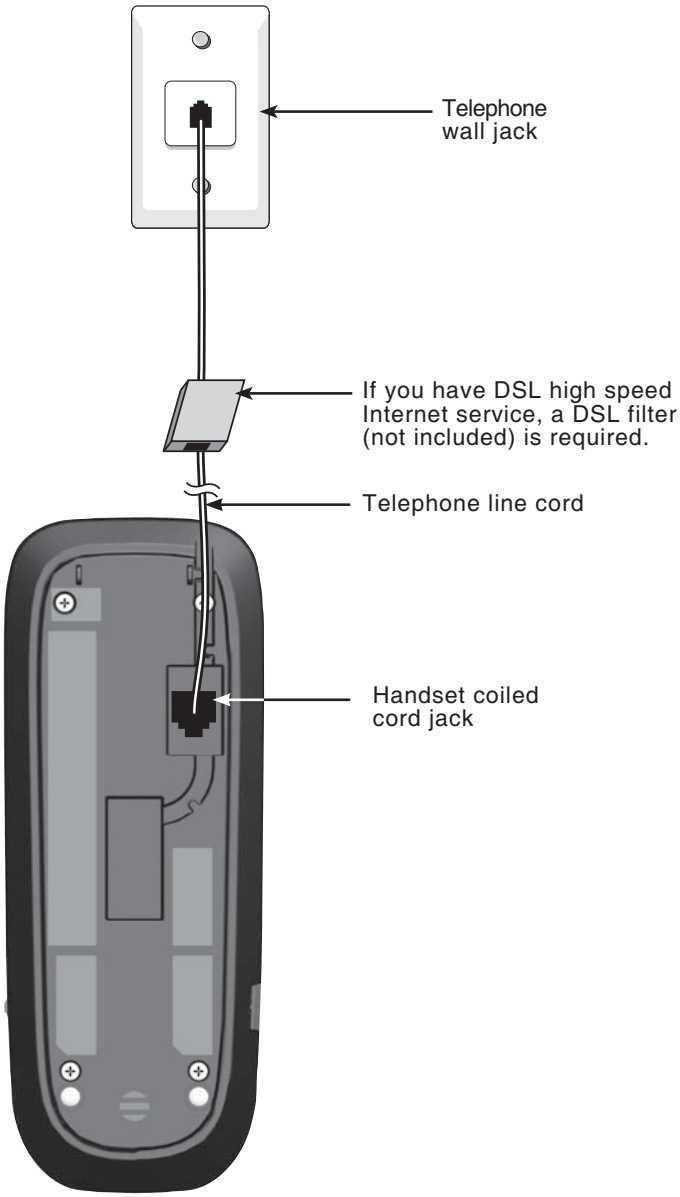
4. Mount the telephone base on the wall by positioning the eyelets on the telephone base and the mounting bracket against the mounting studs. Then slide the telephone base down on both mounting studs until it locks into place.
1. Place the handset on the handset cradle.

Installation

Analog corded trimstyle - A1310

Telephone installation

The telephone is designed to mount on a standard telephone wall plate. Install the telephone base as shown below.



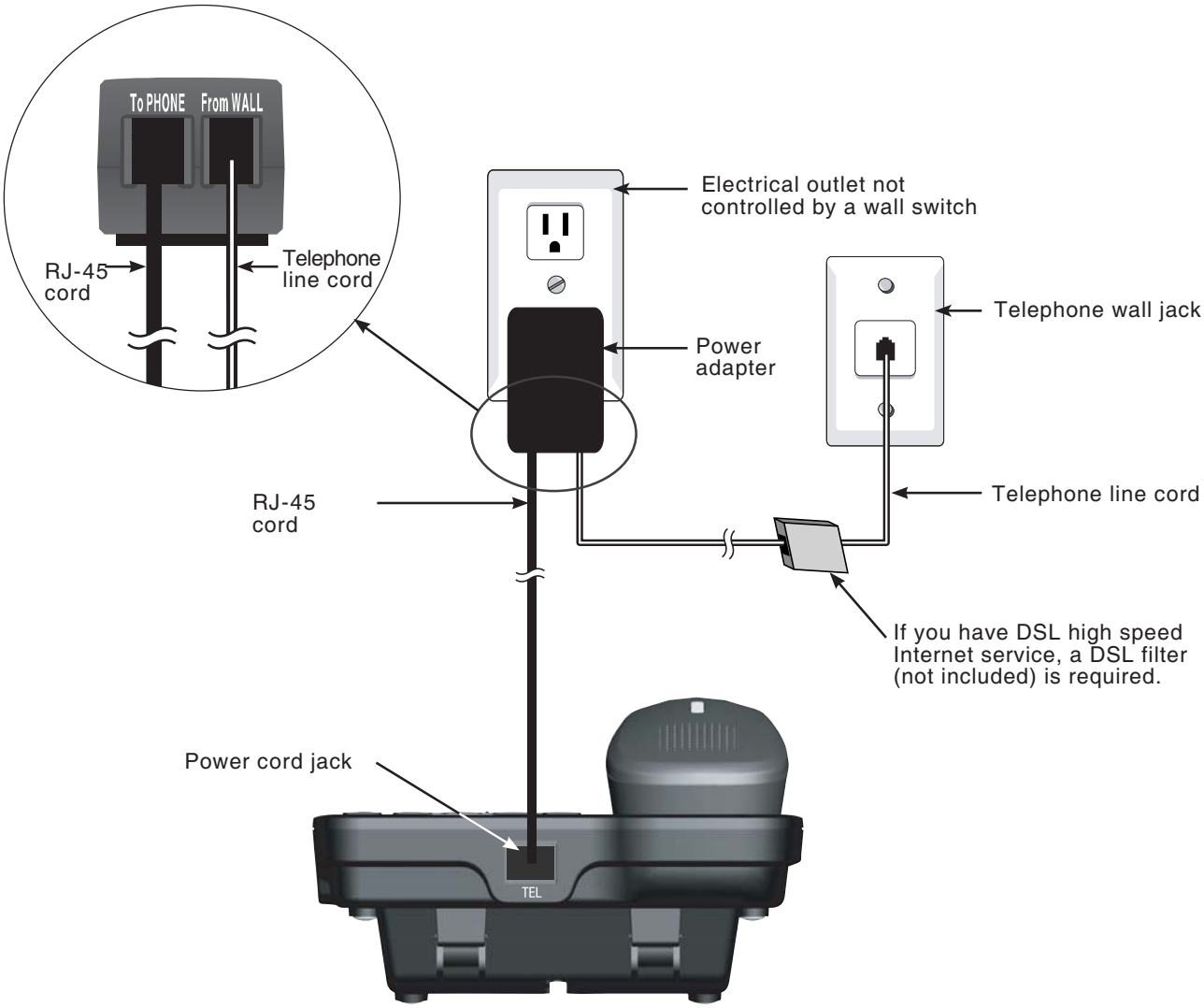
After installing the telephone base, mount it on the wall by positioning the eyelets on the telephone base and the mounting bracket against the mounting studs of the wall plate. Then slide the telephone base down on both mounting studs until it locks into place.

Installation

Analog cordless 1-line/2-line - A1410/A1420

Telephone base installation

The telephone comes ready for desktop use. Install the telephone base as shown below.



CAUTION:

Use only the supplied RJ-45 cord and power adapter. RJ-45 is not designed for use in any other IT devices. Misuse of RJ-45 cord on your other IT devices shall be prohibited. To order a replacement, visit our website at www.vtechhotelphones.com or call 1-888-907-2007.

Installation

Analog cordless 1-line/2-line - A1410/A1420

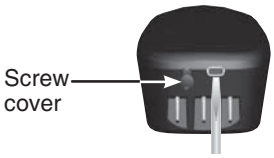
Handset battery installation

Install the battery as shown below.

1. Gently lift the handset cover. Beware the speaker wires cannot be detached.
2. Plug the battery connector securely into the socket inside the handset battery compartment.
3. Place the battery with the label **THIS SIDE UP** facing up and the wires inside the battery compartment.
4. To replace the handset cover, align all the tabs on the handset cover against the corresponding grooves on the handset, then firmly push downward until all the tabs locks in the grooves. Then install the screw.
5. Place the handset on the telephone base and the handset registration process starts automatically.

Replace handset battery

1. Remove the screw. Insert a 5 mm standard screwdriver in the provided slit as shown to twist open the handset cover.



2. Unplug the battery connector from the socket and then remove the battery from the handset battery compartment.
3. Follow the steps in **Handset battery installation** above to install a new battery.

CAUTION:

- Risk of explosion if the battery is replaced by an incorrect type. Use only the supplied rechargeable battery (BT264392) or replacement battery. To order a replacement, visit our website at www.vtechhotelphones.com or call 1-888-907-2007.
- FCC ID is shown on the back of the cordless handset body after the handset cover is removed.
- Disposal of used battery according to the instruction in **The RBRC® seal** on page 32.

Handset registration

Place the handset on the handset cradle of the telephone base. Handset registration happens automatically the first time a handset is placed on the telephone base. When the registration process completes, the **MESSAGE WAITING** LED flashes once. Each telephone base accommodates up to four cordless handsets. If the telephone base has already registered four handsets, one of the registered handsets must be deregistered or registered to another telephone base before adding a new handset.

Handset deregistration

When a registered handset is idle, press ***331734#** and then press **HOLD**. You hear a confirmation tone when the deregistration process completes.

Register handset to another telephone base

Any analog cordless 1-line handset can register to any analog cordless 1-line telephone base. Any analog cordless 2-line handset can register to any analog 2-line telephone base.

When a registered handset is idle, place it on another telephone base. This handset automatically registered to the new telephone base.

Handset charging

The battery must be fully charged before using the handset for the first time. The **CHARGE** LED turns on when the handset is charging on the telephone base or charging base. The battery is fully charged after 16 hours of continuous charging. For best performance, keep the handset in the telephone base or charging base when not in use.

Installation

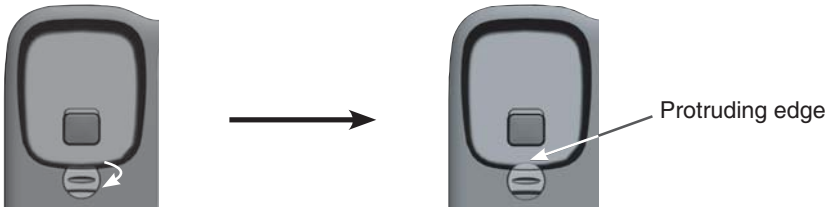
Analog cordless 1-line/2-line - A1410/A1420

Installation option - converting from desktop to wall mount position

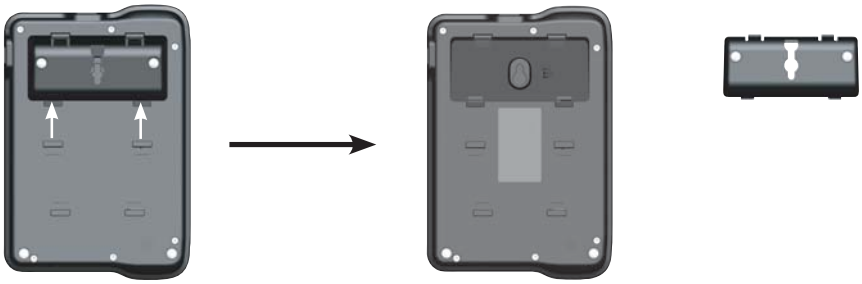
This telephone can be adapted to desktop use or mount on a standard telephone wall plate.

To mount the telephone base on the wall:

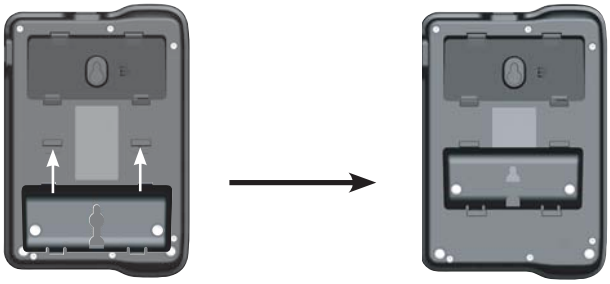
1. Unplug the power adapter and telephone line cord. Disconnect the power cord from the telephone base.
2. Set aside the handset. On the handset cradle, place a coin in the provided slit of the wall mount clip and rotate a half turn (180 degrees). It locks into place with the protruding edge pointing towards the upper edge of the telephone base. This protruding edge holds the handset when the phone is mounted on the wall.



3. Turn the telephone base over with the bottom side facing up. Remove the mounting bracket by firmly pushing back both lower portion tabs and then pulling up until both tabs release from the grooves.



4. Turn the mounting bracket upside down so that the mounting eyelet on the bracket is facing in the same direction as the other mounting eyelet on the bottom side of the telephone base. Insert both lower portion tabs of the mounting bracket into the middle grooves. Then firmly push downward to insert both upper portion tabs in the lower grooves.



5. Mount the telephone base on the wall by positioning the eyelets on the telephone base and mounting bracket against the mounting studs. Then slide the telephone base down on both mounting studs until it locks into place.
6. Connect the power cord to the telephone base, plug the power adapter into the electrical outlet not controlled by a wall switch, and plug the telephone line cord into the telephone wall jack. Then place the handset on the handset cradle.

Installation

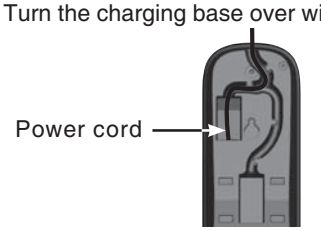
Analog cordless charging base - C3000

Charging base installation

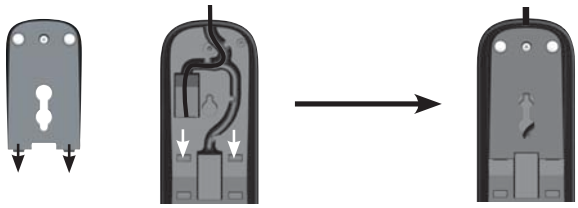
The charging base comes ready for desktop use. Install the charging base as shown below.

Installation option - desktop position:

1. Turn the charging base over with the bottom side facing up. Connect the power cord to the charging base.



2. Position the mounting bracket as shown. Insert the tabs into the upper grooves and tighten the screw to affix the mounting bracket in place.



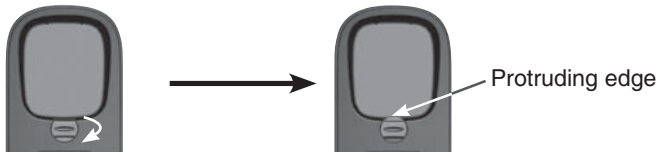
3. Plug the power adapter into the electrical outlet not controlled by a wall switch.

Installation option - converting from desktop to wall mount position

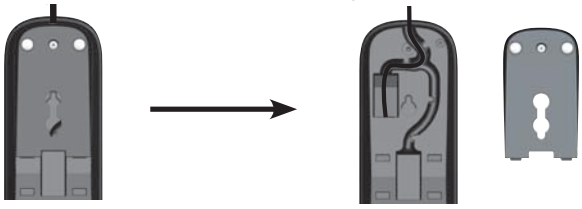
This telephone can be adapted to desktop use or mount on a standard telephone wall plate.

To mount the charging base on the wall:

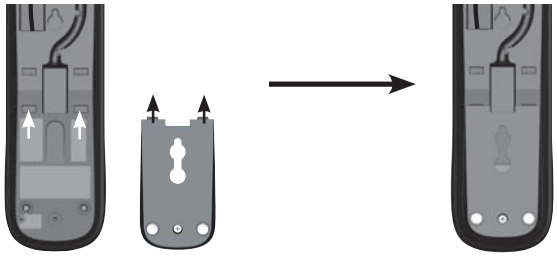
1. Unplug the power adapter from the electrical outlet.
2. On the handset cradle, place a coin in the provided slit of the wall mount clip and rotate a half turn (180 degrees). It locks into place with the protruding edge pointing towards the upper edge of the charging base. This protruding edge holds the handset when the phone is mounted on the wall.



3. Loosen the screw from the mounting bracket and remove the mounting bracket from the upper grooves.



4. Turn the mounting bracket upside down so that the mounting eyelet on the bracket is facing in the same direction as the other mounting eyelet on the bottom side of the charging base. Insert the tabs into the lower grooves and tighten the screw to affix the mounting bracket in place.



5. Mount the charging base on the wall by positioning the eyelets on the charging base and the mounting bracket against the mounting studs of the wall plate. Then slide the charging base down on both mounting studs until it locks into place.
6. Plug the power adapter into the electrical outlet not controlled by a wall switch.

Installation

Analog cordless 1-line/2-line accessory handset - C3100/C3200

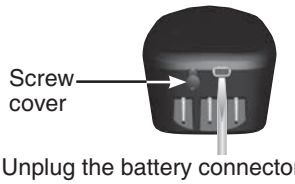
Handset battery installation

Install the battery as shown below.

1. Gently lift the handset cover. Beware the speaker wires cannot be detached.
2. Plug the battery connector securely into the socket inside the handset battery compartment.
3. Place the battery with the label **THIS SIDE UP** facing up and the wires inside the battery compartment.
4. To replace the handset cover, align all the tabs on the handset cover against the corresponding grooves on the handset, then firmly push downward until all the tabs locks in the grooves. Then install the screw.
5. Place the handset on the telephone base and the handset registration process starts automatically.

Replace handset battery

1. Remove the screw. Insert a 5 mm standard screwdriver in the provided slit as shown to twist open the handset cover.



2. Unplug the battery connector from the socket and then remove the battery from the handset battery compartment.
3. Follow the steps in Handset battery installation above to install a new battery.

CAUTION:

- Risk of explosion if the battery is replaced by an incorrect type. Use only the supplied rechargeable battery (BT264392) or replacement battery. To order a replacement, visit our website at www.vtechhotelphones.com or call 1-888-907-2007.
- FCC ID is shown on the back of the cordless handset body after the handset cover is removed.
- Disposal of used battery according to the instruction in **The RBRC® seal** on page 33.

Handset registration

Place the handset on the handset cradle of the telephone base. Handset registration happens automatically the first time an unregistered handset is placed on the telephone base. When registration process completes, the **MESSAGE WAITING** LED flashes once.

Each telephone base accommodates up to four handsets. If the telephone base has already registered four handsets, one of the registered handsets must be deregistered or registered to another telephone base before adding new a handset.

Handset deregistration

When a registered handset is idle, press ***331734#*** and then press **HOLD**. You hear a confirmation tone when the deregistration process completes.

Register handset to another telephone base

Any analog cordless 1-line handset can register to any analog cordless 1-line telephone base. Any analog cordless 2-line handset can register to any analog 2-line telephone base.

When a registered handset is idle, place it on another telephone base. This handset automatically registered to the new telephone base.

Handset charging

The battery must be fully charged before using the handset for the first time. The **CHARGE** LED turns on when the handset is charging on the telephone base or charging base.

The battery is fully charged after 16 hours of continuous charging. For best performance, keep the handset in the telephone base or charging base when not in use.

Telephone settings

Analog corded lobby/1-line/2-line - A1100/A1210/A1220

Default settings are indicated by an asterisk(*).

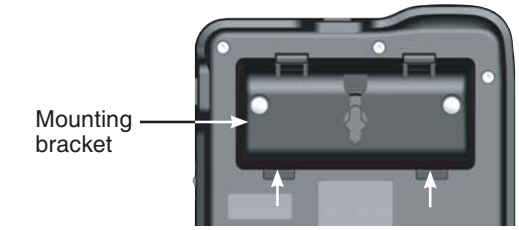
Parameter	Options	User adjustable
Handset earpiece volume	**1**, **2**, **3***, **4**	**Yes** (for models **A1210** and **A1220** only)
Speaker volume	**1**, **2**, **3**, **4**, **5***, **6**, **7**, **8**	**Yes** (for models **A1210** and **A1220** only)
Ringer volume	**Low**, **Medium***, **High**	**Yes** (for models **A1210** and **A1220** only)
Ringer tone	**Tone 1***, **Tone 2**, **Tone 3**	**Administrator only**
Flash	**1*** (100ms), **2** (300ms), **3** (600ms)	**Administrator only** (for models **A1210** and **A1220** only)

Ringer tone

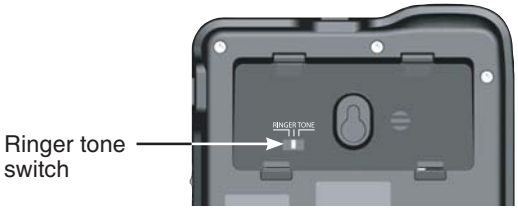
There are 3 ringer tone options that can be selected. For 2-line model (**A1220**), changing the ringer tone of either **LINE 1** or **LINE 2** apply to both phone lines.

To change the ringer tone:

1. Turn the telephone base over with the bottom side facing up. Remove the mounting bracket if it is in the desktop position. To remove the mounting bracket, firmly push back both lower portion tabs and pull up until they release from the grooves.



2. Slide the ringer tone switch across its detented positions using a narrow object such as a standard screwdriver.



3. Install the mounting bracket again to resume its desktop position.

Flash

For 1-line and 2-line models (**A1210** and **A1220**), there are 3 flash duration options that can be programmed.

To change the flash duration:

1. With the phone “on hook” (inactive) and the faceplate removed, press the recessed **PROGRAM** key.
2. Press **FLASH** and then a dialing key **1** (100ms), **2** (300ms) or **3** (600ms) to select the desired flash duration. You hear a confirmation tone.

Autodial keys

For 1-line and 2-line models (**A1210** and **A1220**), there is up to 10 programmable guest-service (autodial) keys. Program these keys to automatically dial telephone numbers or to activate telephone system features.

To program an autodial key:

1. With the phone “on hook” (inactive), the faceplate and the overlay removed, press the recessed **PROGRAM** key. The **MUTE** key flashes when in administrator mode.
2. Press the desired autodial key where the telephone number is to be stored.
3. Enter the telephone number (up to 16 digits in length).
   To insert a pause in the stored number, press the recessed **PAUSE** key as necessary.
4. Press the recessed **PROGRAM** key again. You hear three rising beeps and programming is now complete for that autodial key.
   To program additional keys, repeat this process.

To cancel the programmed autodial key:

1. With the phone “on hook” (inactive) and the faceplate removed, press the recessed **PROGRAM** key.
2. Press the autodial key where the telephone number is to be cancelled. Press the recessed **PROGRAM** key again. You hear three rising beeps and cancellation is now complete for that autodial key.

Telephone settings

Analog corded trimstyle - A1310

Default settings are indicated by an asterisk(*).

Parameter	Options	User adjustable
Listening volume - handset	**1**, **2**, **3***, **4**	**Yes**
Ringer tone	**Tone 1***, **Tone 2**, **Tone 3**	**Yes**

Ringer tone

There are three ringer tones.

To change the ringer tone:

When the telephone is idle, slide the **RINGER TONE** switch on the right side of the telephone base to change the ringer tone.

Telephone settings

Analog cordless 1-line/2-line - A1410/A1420

Default settings are indicated by an asterisk(*).

Parameter	Options	User adjustable
Listening volume - handset	**1**, **2**, **3**, **4***, **5**, **6**	**Yes**
Speaker volume - handset	**1**, **2**, **3**, **4***, **5**, **6**	**Yes**
Speaker volume - telephone base	**1**, **2**, **3**, **4***, **5**, **6**	**Yes**
Ringer volume - telephone base	**1**, **2***, **3**	**Yes**
Ringer tone - telephone base	**Tone 1***, **Tone 2**, **Tone 3**	**Administrator only**
Flash	**1*** (100ms), **2** (300ms), **3** (600ms)	**Administrator only**
RF transmission power	**1** (low), **2** (middle), **3*** (high)	**Administrator only**
Hold	**0** (auto-release disabled), **1** - **14**, **15***, **16** - **99** minutes	**Administrator only**

Ringer tone

There are 3 ringer tones that can be assigned to both telephone lines of the telephone base. For 2-line model (**A1220**), changing the ringer tone of either **LINE 1** or **LINE 2** apply to both phone lines.

To change the ringer tone:

1. With the phone “on hook” (inactive) and the faceplate removed, press the recessed **PROGRAM** key.
2. Press **00** and then a dialing key **1**, **2** or **3** to select the desired ringer tone. You hear a confirmation tone.

Flash

There are 3 flash duration options that can be programmed.

To change the flash duration:

1. With the phone “on hook” (inactive) and the faceplate removed, press the recessed **PROGRAM** key.
2. Press **FLASH** and then a dialing key **1** (100ms), **2** (300ms) or **3** (600ms) to select the desired flash duration. You hear a confirmation tone.

RF transmission power

There are 3 RF transmission power options that can be programmed.

To change the RF transmission power control level:

1. With the phone “on hook” (inactive) and the faceplate removed, press the recessed **PROGRAM** key.
2. Press **01** and then a dialing key **1** (low - coverage of 25% of maximum working distance), **2** (middle - coverage of 50% maximum working distance) or **3** (high - coverage of 100% of maximum working distance) to select the desired RF transmission power control level. You hear a confirmation tone.

Hold

The call-on-hold timeout duration can be programmed from 1 to 99 minutes. To disable the auto-release feature on call-on-hold, select **0**.

To change the call-on-hold timeout duration:

1. With the phone “on hook” (inactive) and the faceplate removed, press the recessed **PROGRAM** key.
2. Press **02** and then the dialing keys from **0** to **99** minutes. You hear a confirmation tone.

Autodial keys

This telephone has up to 10 programmable guest-service (autodial) keys. Program these keys to automatically dial telephone numbers or to activate telephone system features.

To program an autodial key:

1. With the phone “on hook” (inactive) and the faceplate removed, press the recessed **PROGRAM** key.
2. Press the desired autodial key where the telephone number is to be stored.
3. Enter the telephone number (up to 16 digits in length).
   To insert a pause in the stored number, press the recessed **PAUSE** key as necessary.
4. Press the recessed **PROGRAM** key again. You hear three rising beeps and programming is now complete for that autodial key.
   To program additional keys, repeat this process.

To cancel the programmed autodial key:

1. With the phone “on hook” (inactive) and the faceplate removed, press the recessed **PROGRAM** key.
2. Press the autodial key where the telephone number is to be cancelled. Press the recessed **PROGRAM** key again. You hear three rising beeps and cancellation is now complete for that autodial key.

Telephone operation

Analog corded 1-line - A1210

Using the corded handset and the telephone base

The corded handset and the telephone base speakerphone cannot be used at the same time. However, calls can be switched between the corded handset and the telephone base speakerphone.

Receive a call

The telephone rings and the **MESSAGE WAITING** LED flashes when there is an incoming call.

To answer a call using the corded handset:

Lift the corded handset from the telephone base.

To answer a call using the telephone base:

On the telephone base, press **/SPEAKER**. The **/SPEAKER** key illuminates when in use.

Place a call

On the telephone base, lift the corded handset or press **/SPEAKER**. Listen for the dial tone and dial the desired number, or press an autodial key to dial a programmed number. The **/SPEAKER** key illuminates when in use in speakerphone mode.

End a call

Place the corded handset in the telephone base, or press **/SPEAKER** once when in speakerphone mode.

Switch a call between the corded handset and the telephone base speakerphone

- To switch from the corded handset to the telephone base speakerphone, press **/SPEAKER** on the telephone base, then place the corded handset on the handset cradle.
- To switch from the telephone base speakerphone to the corded handset while it is not on the handset cradle, press **/SPEAKER** on the telephone base.
- To switch from the telephone base speakerphone to the corded handset while it is resting on the handset cradle, lift the corded handset from the handset cradle.

Share a call

During a call, parallel telephones can join the call.

To share a call:

During a call, lift the corded handset or press **/SPEAKER** to join.

Volume

Ringer volume and listening volume can be adjusted from the telephone base.

To adjust the ringer volume:
When the telephone is idle, slide the **RINGER VOL** switch on the right side of the telephone base to adjust the ringer volume.

To adjust the listening volume:
During a call, press **+/- VOLUME** on the telephone base to adjust the listening volume. The next call returns to the default listening volume.

Call waiting

1. When you hear the call waiting tone during a call, press **FLASH** on the telephone base to answer the new incoming call.
2. Press **FLASH** at any time to switch back and forth between calls.

Mute

To mute the microphone:

1. During a call, press **MUTE** on the telephone base. The **MUTE** key lights when the mute function is turned on. The party on the other end will not be able to hear you when the **MUTE** key is lit.
2. Press **MUTE** again to resume the conversation. The light on the **MUTE** key is off.

Hold

To place a call on hold:

1. During a call, press **HOLD** on the telephone base to place that call on hold. The **HOLD** key flashes when the call is placed on hold.
2. To release the call from hold, press **/SPEAKER**, **HOLD** or lift the handset from the handset cradle.

Telephone operation

Analog corded 2-line - A1220

Using the corded handset and the telephone base

The corded handset and the telephone base speakerphone cannot be used at the same time. However, calls can be switched between the corded handset and the telephone base speakerphone.

Receive a call

The telephone rings and the **MESSAGE WAITING** LED flashes when there is an incoming call.

To answer a call using the corded handset:

Lift the cordless handset, or press the flashing line key for the ringing line. It automatically connects to the ringing line. The line key illuminates when in use.

To answer a call using the telephone base:

On the telephone base, press the flashing line key for the ringing line, or press **/SPEAKER**. It automatically connects to the ringing line. The line key illuminates when in use.

Place a call

On the telephone base, lift the corded handset, or press **LINE 1**, **LINE 2**, or **/SPEAKER**. Listen for the dial tone and dial the desired number, or press an autodial key to dial a programmed number. The line key illuminates when in use.

End a call

Place the corded handset in the telephone base, or press **/SPEAKER** once when in speakerphone mode.

Switch a call between the corded handset and the telephone base speakerphone

- To switch from the corded handset to the telephone base speakerphone, press **/SPEAKER** on the telephone base, then place the corded handset on the handset cradle. The active line is selected. If both lines are in use or on hold, **LINE 1** is selected.
- To switch from the telephone base speakerphone to the corded handset while it is not on the handset cradle, press **/SPEAKER** on the telephone base. The active line is selected. If both lines are in use or on hold, **LINE 1** is selected.
- To switch from the telephone base speakerphone to the corded handset while it is resting on the handset cradle, lift the corded handset from the handset cradle. The active line is selected. If both lines are in use or on hold, **LINE 1** is selected.

Share a call

During a call, parallel telephones can join the call.

To share a call:

During a call on line 1 or line 2, press the respective **LINE 1** or **LINE 2** to join.

Speaker

To use the speakerphone:

- When the telephone is idle, press **/SPEAKER**. The first available line is selected, starting with line 1.
- During a call, press **/SPEAKER**. The active line is selected. If both lines are in use or on hold, **LINE 1** is selected.

Volume

Ringer volume and listening volume can be adjusted from the telephone base.

To adjust the ringer volume:

When the telephone is idle, slide the **RINGER VOL** switch on the right side of the telephone base to adjust the ringer volume.

To adjust the listening volume:
During a call, press **+/- VOLUME** on the telephone base to adjust the listening volume. The next call returns to the default listening volume.

Call waiting

1. When you hear the call waiting tone during a call, press **FLASH** on the telephone base to answer the new incoming call.
2. Press **FLASH** at any time to switch back and forth between calls.

Mute

To mute the microphone:

1. During a call, press **MUTE** on the telephone base. The **MUTE** key lights when the mute function is turned on. The party on the other end will not be able to hear you when the **MUTE** key is lit.
2. Press **MUTE** again to resume the conversation. The light on the **MUTE** key is off.

Telephone operation

Analog corded 2-line - A1220

Hold

To place a call on hold:

1. During a call, press **HOLD** on the telephone base to place that call on hold. That line key flashes when the call is placed on hold.
2. Press the flashing line key to release the call from hold. The line key is lit when in use.

Conference call

This telephone allows three-way conversations.

To initiate a conference call while one call is placed on hold:

1. Place a second call on the other line.
2. Once the second party is on the line, press **CONF** to join all three parties.

To initiate a conference call while two calls are on hold:

Press **CONF** to join all three parties.

To terminate a conference call:

- Press a line key to maintain the connection with that line and drop the other line.
- If the conference call is held in speakerphone mode, press **/SPEAKER** on the telephone base to terminate.
- If the conference call is held in handset earpiece mode, place the corded handset back in the telephone base to terminate.
- If there is more than one telephone on the conference call, the call ends when all telephones hang up.

Telephone operation

Analog corded trimstyle - A1310

Receive a call

The telephone rings and the **MESSAGE** LED flashes when there is an incoming call.

To answer a call:

Lift the corded handset from the telephone base.

Place a call

Lift the corded handset from the telephone base. Listen for the dial tone and dial the desired number.

End a call

Place the corded handset in the telephone base.

Share a call

During a call, parallel telephones can join the call. If parallel telephones are 2-line models, this telephone can only share call on line 1.

To share a call:

During a call, lift the corded handset to join.

Volume

Listening volume can be adjusted from the corded handset.

To adjust the listening volume:

During a call, press **+/VOLUME/-** on the side of the handset to adjust the listening volume. The next call returns to the default listening volume.

Telephone operation

Analog cordless 1-line - A1410

Using the cordless handset and the telephone base

The cordless handset and the telephone base speakerphone cannot be used at the same time. However, calls can be switched between the cordless handset and the telephone base speakerphone.

When the cordless handset or the telephone base is in use, the **TALK** key on the cordless handset and the **IN USE** LED on the telephone base illuminate.

Receive a call

The telephone rings and the **IN USE** LED flashes when there is an incoming call.

To answer a call using the cordless handset while it is not on the handset cradle:

On the cordless handset, press **TALK** or **/SPEAKER**.

To answer a call using the cordless handset while it is resting on the handset cradle:

Lift the cordless handset from the telephone base.

To answer a call using the telephone base:

On the telephone base, press **/SPEAKER**.

Place a call

Using the cordless handset:

On the cordless handset, press **TALK** or **/SPEAKER**. Listen for the dial tone and dial the desired number. The **/SPEAKER** key also illuminates when in speakerphone mode.

Using the telephone base:

On the telephone base, press **/SPEAKER**. Listen for the dial tone and dial the desired number, or press an autodial key to dial a programmed number. The **IN USE** key and the **/SPEAKER** key illuminate when in use.

End a call

To end a call when using the cordless handset:

Press **OFF** on the cordless handset or place it in the telephone base or charging base. The call ends when all handsets hang up.

To end a call when using the telephone base:

Press **/SPEAKER** once.

Switch a call between the cordless handset and the telephone base speakerphone

- To switch from the cordless handset to the telephone base speakerphone, press **/SPEAKER** on the telephone base.
- To switch from the telephone base speakerphone to the cordless handset, press **TALK** or **/SPEAKER** on the cordless handset.

Share a call

A maximum of four cordless handsets can be used at the same time on an external call.

To share a call:

During a call, press **TALK** on another cordless handset to join.

Handset speakerphone

During a call, press **/SPEAKER** on the cordless handset to switch between speakerphone mode and receiver mode.

Volume

Ringer volume of the telephone base can be adjusted. Listening volume can be adjusted on the cordless handset and the telephone base.

To adjust the ringer volume of the telephone base:

When the telephone base is idle, press **+/- VOLUME** on it to adjust the ringer volume.

To adjust the listening volume:

- During a call on the handset, press **+/VOLUME/-** on it to adjust the listening volume. The next call returns to the default listening volume.
- During a call on the telephone base, press **+/- VOLUME** on it to adjust the listening volume. The next call returns to the default listening volume.

Telephone operation

Analog cordless 1-line - A1410

Redial

The last dialed number on the cordless handset or the telephone base is stored for 15 minutes.

To redial the last dialed number from the cordless handset:

Press **TALK** or **/SPEAKER**. Listen for the dial tone. Then press **REDIAL**.

To redial the last dialed number from the telephone base:

Press **/SPEAKER**. Listen for the dial tone. Then press **REDIAL**.

Call waiting

1. When you hear the call waiting tone during a call, press **FLASH** on the cordless handset or telephone base to answer the new incoming call.
2. Press **FLASH** at any time to switch back and forth between calls.

Mute

To mute the microphone:

1. During a call, press **MUTE** on the cordless handset or telephone base. The **MUTE** key lights when the mute function is turned on. The party on the other end will not be able to hear you when the **MUTE** key is lit.
2. Press **MUTE** again to resume the conversation. The light on the **MUTE** key is off.

Hold

To place a call on hold on the cordless handset:

1. During a call, press **HOLD** on the cordless handset. The **TALK** key flashes when the call is placed on hold.
2. Press **TALK** to release the call from hold, or the call will be terminated automatically after the preset call on hold duration.

To place a call on hold on the telephone base:

1. During a call, press **HOLD** on the telephone base. The **HOLD** key flashes when the call is on hold.
2. Press **/SPEAKER** to release the call from hold, or the call will be terminated automatically after the preset call on hold duration.

Find handset

Use this feature to find all registered cordless handsets.

To start paging:

Press **/FIND HANDSET** on the telephone base when the telephone is not in use. All idle cordless handset(s) beep for 60 seconds.

To end paging:

- Press **/FIND HANDSET** again on the telephone base.

-OR-

- Press any keys on the cordless handset to stop the paging tone.

Telephone operation

Analog cordless 2-line - A1420

Using the cordless handset and the telephone base

The cordless handset and the telephone base cannot be used at the same time. However, calls can be switched between the cordless handset and the telephone base.

Receive a call

The telephone rings and the **MESSAGE WAITING** LED flashes when there is an incoming call.

To answer a call using the cordless handset while it is not on the handset cradle:

On the cordless handset, press the flashing line key for the ringing line, or press **/SPEAKER**. It automatically connects to the ringing line. That line key illuminates when in use.

To answer a call using the cordless handset while it is resting on the handset cradle:

Pick up the cordless handset from the telephone base. It automatically connects to the ringing line. That line key illuminates when in use.

To answer a call using the telephone base:

On the telephone base, press the flashing line key for the ringing line, or press **/SPEAKER**. It automatically connects to the ringing line. That line key illuminates when in use.

Place a call

Using the cordless handset:

On the cordless handset, press **LINE 1**, **LINE 2** or **/SPEAKER**. Listen for the dial tone and dial the desired number. That line key illuminates when in use. The **/SPEAKER** key also illuminates when in speakerphone mode.

Using the telephone base:

On the telephone base, press **LINE 1**, **LINE 2** or **/SPEAKER**. Listen for the dial tone and dial the desired number, or press an autodial key to dial a programmed number. The line key and the **/SPEAKER** key illuminate when in use.

End a call

To end a call when using the cordless handset:
Press **OFF** on the cordless handset or place it in the telephone base or charging base. The call ends when all handsets hang up.

To end a call when using the telephone base:
Press **/SPEAKER** on the telephone base once.

Switch a call between the cordless handset and the telephone base speakerphone

- To switch from the cordless handset to the telephone base speakerphone, press the respective line key on the telephone base.
- To switch from the telephone base speakerphone to the cordless handset, press the respective line key on the cordless handset.

Share a call

A maximum of four cordless handsets can be used at the same time on an external call. If both lines are in use, a maximum of two cordless handsets can be used on each line at the same time.

To share a call:

During a call on line 1 or line 2, press the respective **LINE 1, LINE 2** or **/SPEAKER** on another cordless handset to join.

Handset speakerphone

During a call, press **/SPEAKER** on the cordless handset to switch between speakerphone mode and receiver mode.

Speaker

To use the speakerphone:

- When the telephone is idle, press **/SPEAKER**. The first available line is selected, starting with line 1.
- During a call, press **/SPEAKER**. The active line is selected.

Volume

Ringer volume of the telephone base can be adjusted. Listening volume can be adjusted on the cordless handset and the telephone base.

To adjust the ringer volume of the telephone base:
When the telephone base is idle, press **+/- VOLUME** on it to adjust the ringer volume.

To adjust the listening volume:

- During a call on the handset, press **+/VOLUME/-** on it to adjust the listening volume. The next call returns to the default listening volume.
- During a call on the telephone base, press **+/- VOLUME** on it to adjust the listening volume. The next call returns to the default listening volume.

Telephone operation

Analog cordless 2-line - A1420

Redial

The last dialed number on the cordless handset or telephone base is stored for 15 minutes.

To redial the last dialed number from the handset or telephone base:

Press **LINE 1**, **LINE 2** or **/SPEAKER**. Listen for the dial tone. Then press **REDIAL**.

Call waiting

1. When you hear the call waiting tone during a call, press **FLASH** on the cordless handset or telephone base to answer the new incoming call.
2. Press **FLASH** at any time to switch back and forth between calls.

Mute

To mute the microphone:

1. During a call, press **MUTE** on the cordless handset or telephone base. The **MUTE** key lights when the mute function is turned on. The party on the other end will not be able to hear you when the **MUTE** key is lit.
2. Press **MUTE** again to resume the conversation. The light on the **MUTE** key is off.

Hold

To place a call on hold:

1. During a call, press **HOLD** on the cordless handset or telephone base to place that call on hold. The line key flashes when the call is placed on hold.
2. Press the flashing line key to release the call from hold, or the call will be terminated automatically after the preset call on hold duration.

Conference call

This telephone allows three-way conversations.

To initiate a conference call while one call is on hold:

1. Place a second call on the other line.
2. Once the second call is established, press **CONF** to join all three parties.

To initiate a conference call while two calls are on hold:

Press **CONF** to join all three parties.

To switch a conference call between the cordless handset and the telephone base:

- During a conference call at the telephone base, press **HOLD** on the telephone base and then press **CONF** on the cordless handset to switch the conference call from the telephone base to the cordless handset.
- During a conference call on the cordless handset, press **HOLD** on the cordless handset and then press **CONF** on telephone base to switch the conference call from the cordless handset to the telephone base.

To terminate a conference call:

- Press a line key to maintain the connection with that line and drop the other line.
- If the conference call is held at the telephone base, press **/SPEAKER** on the telephone base.
- If the conference call is held on the cordless handset, press **OFF** or **CONF** on the cordless handset, or place it back in the telephone base or charging base.
- If there is more than one cordless handset on the conference call, the call ends when all handsets hang up by pressing **OFF** or **CONF**, or place them back in the telephone base or charging base.

Find handset

Use this feature to find all registered cordless handsets.

To start paging:

Press **/FIND HANDSET** on the telephone base when the telephone is not in use. All idle cordless handset(s) beep for 60 seconds.

To end paging:

- Press **/FIND HANDSET** again on the telephone base.

-OR-

- Press any keys on the handset to stop the paging tone.

Appendix

Troubleshooting

If you have difficulty with your telephone, please try the suggestions below. For customer service, visit our website at www.vtechhotelphones.com or call 1-888-907-2007.

Corded telephone

The telephone does not work at all.

- Make sure the telephone line cord is plugged firmly into the telephone wall jack.
- Disconnect the telephone base from the telephone wall jack and plug in a working telephone. If the other telephone does not work, the problem is probably in the wiring or the local telephone service. Contact your telephone service provider (charges may apply).

There is no dial tone.

- First, try all the above suggestions.
- The telephone line cord may be defective. Install a new telephone line cord.
- Disconnect the telephone base from the telephone wall jack and connect a different telephone. If there is no dial tone on this telephone either, the problem is in your wiring or local telephone service. Contact your telephone service provider (charges may apply).

I cannot dial out.

- First, try all the above suggestions.
- Make sure there is a dial tone before dialing.
- Eliminate any background noise. Mute the handset before dialing, or dial from another room in your unit with less background noise.
- If other telephones in your hotel are having the same problem, the problem is in the wiring or local telephone service. Contact your telephone service provider (charges may apply).

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

- Make sure the telephone line cord is plugged in properly (page 11).
- If other telephones in your hotel are having the same problem, the problem is in the wiring or local telephone service. Contact your telephone service provider (charges may apply).
- Test a working telephone at the telephone wall jack. If another telephone has the same problem, the problem is in the telephone wall jack. Contact your telephone service provider (charges may apply).
- The telephone line cord may be defective. Install a new telephone line cord.

There is interference during a telephone conversation.

- If there is High Speed Internet Access (HSIA) available in the premises through telephone line, you may need to install a DSL filter (DSL - digital subscriber line) between the telephone line cord and the telephone wall jack. The filter prevents noise and caller ID problems caused by DSL interference. Contact your DSL service provider for more information about DSL filters.
- If your telephone is plugged in with a modem or a surge protector, plug the telephone (or modem/surge protector) into a different location. If this doesn't solve the problem, relocate your telephone or modem farther apart from each other, or use a different surge protector.
- Disconnect the telephone base from the telephone wall jack. Plug in a different telephone. If calls are still not clear, the problem is probably in the wiring or local telephone service. Contact your telephone service provider (charges may apply).
- If other telephones in your hotel are having the same problem, the problem is in the wiring or local telephone service. Contact your telephone service provider (charges may apply).

I hear other calls when using the telephone.

- Disconnect the telephone base from the telephone wall jack. Plug in a different telephone. If you still hear other calls, the problem is probably in the wiring or local telephone service. Contact your telephone service provider (charges may apply).

Appendix

Troubleshooting

Cordless telephone

The telephone does not work at all.

- Make sure the power adapter is securely plugged into an outlet not controlled by a wall switch.
- Make sure the telephone line cord is plugged firmly into the power adapter and the telephone wall jack.
- Make sure the battery is installed and charged correctly (pages 13 and 14). For optimum daily performance, return the cordless handset to the telephone base or charging after use.
- Unplug the electrical power to the telephone base. Wait for approximately 15 seconds, then plug it back in. Allow up to one minute for the cordless handset and telephone base to synchronize.
- Charge the battery in the cordless handset for up to 16 hours.
- If the battery is completely depleted, it may take up to 30 minutes to charge the cordless handset before the **LOW BATTERY** LED illuminates on the cordless handset.
- Remove and install the battery again. If that still does not work, it may be necessary to purchase a new battery.
- Disconnect the telephone base from the telephone wall jack and plug in a working telephone. If the other telephone does not work, the problem is probably in the wiring or the local telephone service. Contact your telephone service provider.

There is no dial tone.

- First, try all the above suggestions.
- Move the cordless handset closer to the telephone base or adjust the setting of RF transmission power (page 21). It may be out of range.
- The telephone line cord may be defective. Install a new telephone line cord.
- Disconnect the telephone base from the telephone wall jack and connect a different telephone. If there is no dial tone on this telephone either, the problem is in your wiring or local telephone service. Contact your telephone service provider.

I cannot dial out.

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

The LOW BATTERY LED illuminates on the cordless handset.

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

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

- Make sure the cordless handset is placed in the telephone base or charging base correctly. The **CHARGE** LED on the telephone base should be on.
- Remove and install the battery again, then charge for up to 16 hours.
- If the cordless handset is in the telephone base or charging base but the **CHARGE** LED on the telephone base is not on, refer to **The CHARGE LED is off** below.
- If the battery is completely depleted, it may take up to 30 minutes to charge the cordless handset before the **LOW BATTERY** LED illuminates on the cordless handset.
- If the above measures do not correct the problem, replace the battery.

The CHARGE LED is off.

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

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

- Make sure the telephone line cord and/or power adapter are plugged in properly (page 14).
- The cordless handset may be too far from the telephone base. Move it closer to the telephone base.
- Adjust the setting of RE transmission power (page 21). It may be out of range.
- If other telephones in your hotel are having the same problem, the problem is in the wiring or local telephone service. Contact your telephone service provider (charges may apply).
- Other electronic products such as HAM radios and other DECT phones can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.
- Test a working telephone at the telephone wall jack. If another telephone has the same problem, the problem is in the telephone wall jack. Contact your telephone service provider (charges may apply).

Appendix

Troubleshooting

- The telephone line cord may be defective. Install a new telephone line cord.
- Remove and install the battery again and place the cordless handset in the telephone base. Wait for the handset to synchronize with the telephone base. Allow up to one minute for this to take place.

Cordless handset beeps and is not performing normally.

- Make sure the power cord is securely plugged into the telephone base. Plug the telephone base into a different working electrical outlet not controlled by a wall switch.
- Move the cordless handset closer to the telephone base or adjust the setting of RF transmission power (page 21). It may be out of range.
- Reset the telephone base by unplugging the electrical power to the base. Wait for 15 seconds and plug it back in again. Allow up to one minute for the cordless handset and the telephone base to synchronize.
- Other electronic products such as HAM radios and other DECT phones can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.

There is interference during a telephone conversation or the call fades in and out when I am using the cordless handset.

- Move the handset closer to the telephone base or adjust the setting of RF transmission power (page 21). It may be out of range.
- If there is High Speed Internet Access (HSIA) available in the premises through telephone line, you may need to install a DSL filter (DSL - digital subscriber line) between the telephone line cord and the telephone wall jack. The filter prevents noise and caller ID problems caused by DSL interference. Contact your DSL service provider for more information about DSL filters.
- Appliances or other cordless telephones plugged into the same circuit as the telephone base can cause interference. Try moving the appliance or telephone base to another outlet.
- Other electronic products such as HAM radios and other DECT phones can cause interference with your cordless phone. Try installing your phone as far away as possible from these types of electronic devices.
- If your telephone is plugged in with a modem or a surge protector, plug the telephone (or modem/surge protector) into a different location. If this doesn't solve the problem, relocate your telephone or modem farther apart from each other, or use a different surge protector.
- The location of your telephone base can impact the performance of your cordless phone. For better reception, install the telephone base in a centralized location within the room, away from walls or other obstructions. In many environments, elevating the telephone base improves overall performance.
- Disconnect the telephone base from the telephone wall jack and plug in a corded telephone. If calls are still not clear, the problem is probably in the wiring or local telephone service. Contact your telephone service provider (charges may apply).
- If other telephones in your hotel are having the same problem, the problem is in the wiring or local telephone service. Contact your telephone service provider (charges may apply).

I hear other calls when using the telephone.

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

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

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

Common cure for electronic equipment.

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

Appendix

Precautions for users of implanted cardiac pacemakers

Cardiac pacemakers (applies only to digital cordless telephones):

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

Pacemaker patients

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

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

Operating range

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

When the handset is out of range, the handset beeps.

If there is a call while the handset is out of range, it may not ring, or if it does ring, the call may not connect well when you connect the call. Move closer to the telephone base, then press the corresponding line key to answer the call.

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

To improve reception, move closer to the telephone base.

About cordless telephones

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

The RBRC® seal

The RBRC® seal on the nickel-metal hydride battery indicates that VTech Communications, Inc. is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful lives, when taken out of service within the United States and Canada.

The RBRC® program provides a convenient alternative to placing used nickel-metal hydride batteries into the trash or municipal waste, which may be illegal in your area.

VTech's participation in RBRC® makes it easy for you to drop off the spent battery at local retailers participating in the RBRC® program or at authorized VTech product service centers. Please call **1 (800) 8 BATTERY™** for information on Ni-MH battery recycling and disposal bans/restrictions in your area. VTech's involvement in this program is part of its commitment to protecting our environment and conserving natural resources.

RBRC® is a registered trademark of Rechargeable Battery Recycling Corporation.

Appendix

Warranty

What does this limited warranty cover?

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

What will VTech do if the Product is not free from defects in materials and workmanship during the limited warranty period ("Materially Defective Product")?

During the limited warranty period, VTech's authorized service representative will repair or replace at VTech's option, without charge, a Materially Defective Product. If we repair the Product, we may use new or refurbished replacement parts. If we choose to replace the Product, we may replace it with a new or refurbished Product of the same or similar design. We will retain defective parts, modules, or equipment. Repair or replacement of the Product, at VTech's option, is your exclusive remedy. VTech will return the repaired or replacement Products to you in working condition. You should expect the repair or replacement to take approximately 30 days.

How long is the limited warranty period?

The limited warranty period for the Product extends for ONE (1) YEAR from the date of purchase. If VTech repairs or replaces a Materially Defective Product under the terms of this limited warranty, this limited warranty also applies to the repaired or replacement Product for a period of either (a) 90 days from the date the repaired or replacement Product is shipped to you or (b) the time remaining on the original one-year warranty; whichever is longer.

What is not covered by this limited warranty?

This limited warranty does not cover:

1. Product that has been subjected to misuse, accident, shipping or other physical damage, improper installation, abnormal operation or handling, neglect, inundation, fire, water or other liquid intrusion; or
2. Product that has been damaged due to repair, alteration or modification by anyone other than an authorized service representative of VTech; or
3. Product to the extent that the problem experienced is caused by signal conditions, network reliability, or cable or antenna systems; or
4. Product to the extent that the problem is caused by use with non-VTech accessories; or
5. Product whose warranty/quality stickers, product serial number plates or electronic serial numbers have been removed, altered or rendered illegible; or
6. Product purchased, used, serviced, or shipped for repair from outside the United States of America or Canada, or used for commercial or institutional purposes (including but not limited to Products used for rental purposes); or
7. Product returned without a valid proof of purchase (see item 2 below); or
8. Charges for installation or set up, adjustment of customer controls, and installation or repair of systems outside the unit.

How do you get warranty service?

To obtain warranty service in the United States of America, visit www.vtechhotelphones.com or call 1-888-907-2007. NOTE: Before calling for service, please review the user's manual - a check of the Product's controls and features may save you a service call.

Except as provided by applicable law, you assume the risk of loss or damage during transit and transportation and are responsible for delivery or handling charges incurred in the transport of the Product(s) to the service location. VTech will return repaired or replaced Product under this limited warranty. Transportation, delivery or handling charges are prepaid. VTech assumes no risk for damage or loss of the Product in transit. If the Product failure is not covered by this limited warranty, or proof of purchase does not meet the terms of this limited warranty, VTech will notify you and will request that you authorize the cost of repair prior to any further repair activity. You must pay for the cost of repair and return shipping costs for the repair of Products that are not covered by this limited warranty.

What must you return with the Product to get warranty service?

1. Return the entire original package and contents including the Product to the VTech service location along with a description of the malfunction or difficulty; and
2. Include a "valid proof of purchase" (sales receipt) identifying the Product purchased (Product model) and the date of purchase or receipt; and
3. Provide your name, complete and correct mailing address, and telephone number.

Other limitations

This warranty is the complete and exclusive agreement between you and VTech. It supersedes all other written or oral communications related to this Product. VTech provides no other warranties for this Product. The warranty exclusively describes all of VTech's responsibilities regarding the Product. There are no other express warranties. No one is authorized to make modifications to this limited warranty and you should not rely on any such modification.

State/Provincial Law Rights: This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state or province to province.

Limitations: Implied warranties, including those of fitness for a particular purpose and merchantability (an unwritten warranty that the Product is fit for ordinary use) are limited to one year from the date of purchase. Some states/provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. In no event shall VTech be liable for any indirect, special, incidental, consequential, or similar damages (including, but not limited to lost profits or revenue, inability to use the Product or other associated equipment, the cost of substitute equipment, and claims by third parties) resulting from the use of this Product. Some states/provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Please retain your original sales receipt as proof of purchase.

Appendix

FCC, ACTA and IC regulations

FCC Part 15

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

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

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

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

[For cordless telephone only] Privacy of communications may not be ensured when using this telephone.

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

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

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

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:AAAKXNANXXXX. This identifier must be provided to your telephone service provider upon request.

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

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

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

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, your telephone service provider may temporarily discontinue your telephone service. Your 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 your 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. Your 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.

When the adjunct is used with a leased system, permission of the owner of the equipment must be obtained for connection of the adjunct because modification of the host system is often required.

Appendix

FCC, ACTA and IC regulations (continued)

This product can only be connected to the host equipment and never directly to the network.

Industry Canada

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

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

This product meets the applicable Industry Canada technical specifications.

Cet appareil est conforme aux spécifications techniques d’Industrie Canada.

Maintenance

Taking care of your telephone

Your telephone contains sophisticated electronic parts, so it must be treated with care.

Avoid rough treatment

Place the handset down gently. Save the original packing materials to protect your telephone if you ever need to ship it.

Avoid water

Your telephone can be damaged if it gets wet. Do not use the handset outdoors in the rain, or handle it with wet hands. Do not install the telephone base near a sink, bathtub or shower.

Electrical storms

Electrical storms can sometimes cause power surges harmful to electronic equipment. For your own safety, take caution when using electrical appliances during storms.

Cleaning your telephone

Your telephone has a durable plastic casing that should retain its luster for many years. Clean it only with a soft cloth slightly dampened with water or 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 the water. If the telephone base should fall into the water, DO NOT RETRIEVE IT UNTIL YOU UNPLUG THE POWER CORD AND/OR TELEPHONE LINE CORD FROM THE WALL. Then remove the telephone by the unplugged cords.

Appendix

Technical specifications

Analog corded lobby - A1100	
Power requirements	Line powered 24V or 48V
Size	Telephone base: 220 x 153 x 65 mm Corded handset: 56.74 x 54.56 (25.26) x 209.40 mm

Analog corded 1-line/2-line - A1210/A1220	
Power requirements	Line powered 24V or 48V
Message waiting signal	High voltage (neon lamp) and FSK
Autodial memory	Telephone base: up to 10 memory locations; up to 16 digits
Size	Telephone base: 220 x 153 x 65 mm Corded handset: 56.74 x 54.56 (25.26) x 209.40 mm

Analog corded trimstyle - A1310	
Power requirements	Line powered 24V or 48V
Message waiting signal	High voltage (neon lamp) and FSK
Size	Telephone base: 217 x 79 x 82 mm Corded handset: 56.74 x 54.56 (25.26) x 209.40 mm

Analog cordless 1-line/2-line - A1410/A1420	
Frequency Control	Crystal controlled PLL synthesizer
Transmit frequency	Handset: 1921.536-1928.448 MHz Telephone base: 1921.536-1928.448 MHz
Channels	5
Nominal effective range	Maximum power allowed by FCC and IC. Actual operating range might vary according to environmental conditions at the time of use.
Power requirements	Handset: 2.4V 550mAh Ni-MH battery Telephone base: 6V DC @600mA
Message waiting signal	High voltage (neon lamp), reverse polarity and FSK
Autodial memory	Telephone base: up to 10 memory locations; up to 16 digits
Size	Telephone base: 220 x 153 x 65 mm Corded handset: 56.74 x 54.56 (25.26) x 209.40 mm

Analog cordless charging base - C3000	
Power requirements	6V DC @600mA
Size	224 x 72 x 39 mm

Analog cordless 1-line/2-line accessory handset - C3100/C3200	
Frequency Control	Crystal controlled PLL synthesizer
Transmit frequency	1921.536-1928.448 MHz
Channels	5
Nominal effective range	Maximum power allowed by FCC and IC. Actual operating range might vary according to environmental conditions at the time of use.
Power requirements	2.4V 550mAh Ni-MH battery
Message waiting signal	High voltage (neon lamp), reverse polarity and FSK
Size	56.74 x 54.56 (25.26) x 209.40 mm

Index

A
About cordless telephones 33
Analog corded 1-line phone installation 11
Analog corded 1-line phone layout 3
Analog corded 1-line phone operation 22
Analog corded 1-line phone settings 19
Analog corded 2-line phone installation 11
Analog corded 2-line phone layout 4
Analog corded 2-line phone operation 23
Analog corded 2-line phone settings 19
Analog corded lobby phone installation 11
Analog corded lobby phone layout 2
Analog corded lobby phone settings 19
Analog corded trimstyle phone installation 13
Analog corded trimstyle phone layout 5
Analog corded trimstyle phone operation 25
Analog corded trimstyle phone settings 20
Analog cordless 1-line accessory handset installation 15, 18
Analog cordless 1-line accessory handset layout 6, 9
Analog cordless 1-line phone installation 14
Analog cordless 1-line phone layout 6
Analog cordless 1-line phone operation 26
Analog cordless 1-line phone settings 21
Analog cordless 2-line accessory handset installation 15, 18
Analog cordless 2-line accessory handset layout 7, 10
Analog cordless 2-line phone installation 14
Analog cordless 2-line phone layout 7
Analog cordless 2-line phone operation 28
Analog cordless 2-line phone settings 21
Analog cordless charging base installation 17
Analog cordless charging base layout 8
Autodial key cancellation 19, 21
Autodial key programming 19, 21
Autodial keys 19, 21

B
Battery installation 15, 18

C
Call waiting 22, 23, 27, 29
Charging cordless handset 15
Checklist 1
Conference call 24, 29
Corded 1-line phone installation 11
Corded 1-line phone layout 3
Corded 1-line phone operation 22
Corded 1-line phone settings 19
Corded 2-line phone installation 11
Corded 2-line phone layout 4
Corded 2-line phone operation 23
Corded 2-line phone settings 19
Corded lobby phone installation 11
Corded lobby phone layout 2
Corded lobby phone settings 19
Corded trimstyle phone installation 13
Corded trimstyle phone layout 5
Corded trimstyle phone operation 25
Corded trimstyle phone settings 20
Cordless 1-line accessory handset installation 15, 18
Cordless 1-line accessory handset layout 6, 9
Cordless 1-line phone installation 14
Cordless 1-line phone layout 6
Cordless 1-line phone operation 26
Cordless 1-line phone settings 21
Cordless 2-line accessory handset installation 15, 18
Cordless 2-line accessory handset layout 7, 10
Cordless 2-line phone installation 14
Cordless 2-line phone layout 7
Cordless 2-line phone operation 28
Cordless 2-line phone settings 21
Cordless charging base installation 17
Cordless charging base layout 8
Cordless handset deregistration 15, 18
Cordless handset registration 15, 18

D
Default settings 19, 20, 21
Deregister a handset 15, 18

E
End a call 22, 23, 25, 26, 28
End a conference call 24, 29

F
FCC, ACTA and IC regulations 35
Find handset 27, 29
Flash 19, 21

H
Handset battery installation 15, 18
Handset battery replacement 15, 18
Handset charging 15
Handset deregistration 15, 18
Handset registration 15, 18
Handset speakerphone 26, 28
Hold 21, 22, 24, 27, 29

I
Important safety instructions i
Initiate a conference call 24, 29
Installation 11

L
Layout 2
Listening volume 22, 23, 25, 26, 28
Lobby phone layout 2

M
Maintenance 36
Mute 22, 23, 27, 29

O
Operating range 33
Operation 22

P
Pacemaker patients 33
Paging handset 27, 29
Parts checklist 1
Place a call 22, 23, 25, 26, 28
Precautions for users of implanted cardiac pacemakers 33

R
Range 33
Receive a call 22, 23, 25, 26, 28
Redial 27, 29
Register a handset 15, 18
Register handset to another telephone base 15, 18
Replace handset battery 15, 18
RF transmission power 21
Ringer tone 19, 20, 21
Ringer volume 22, 23, 26, 28

S
Safety instructions i
Share a call 22, 23, 25, 26, 28
Speaker 23, 28

T
Technical specifications 37
Telephone layout 2
Telephone operation 22
Telephone settings 19
Terminate a conference call 24, 29
Troubleshooting 30

V
Volume 22, 23, 25, 26, 28

W
Wall mount 12, 16, 17
Warranty 34

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