



User's manual

IS741

DECT 6.0 accessory doorbell
for use with VTech models
IS7121/IS7121-2/IS7121-22



Congratulations

on purchasing your new VTech product. Before using this product, please read **Important safety instructions** on page 13 of this manual.

This manual has instructions on how to set up and register your new doorbell. For more information, see the **Installation guide** and **Abridged user's manual** that came with your telephone base.

You may also view or download the online Complete user's manual for a full set of installation and operation instructions at www.vtechphones.com. In Canada, visit www.vtechcanada.com.

**Register online to get an additional 3-month warranty!
Visit www.vtechphones.com.**



Registration

Register your product online for enhanced warranty support.

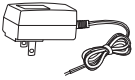


Product news

Learn about the latest VTech products.

Parts checklist

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



Doorbell power adapter



Screws for doorbell wall mount (2)



Screw for doorbell (bottom)



Wall anchors (2)



Doorbell with wall mount cover

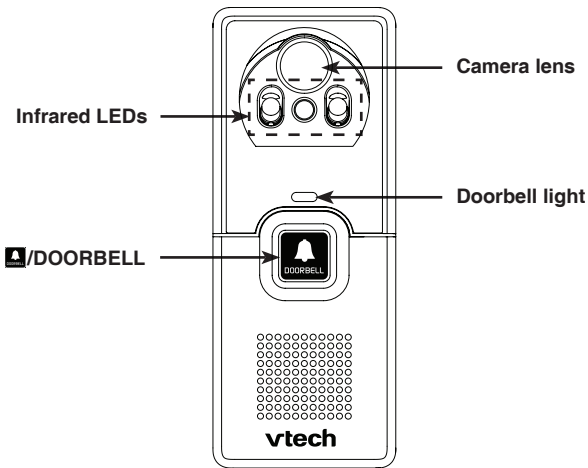


Alkaline batteries (2)



User's manual

Doorbell overview

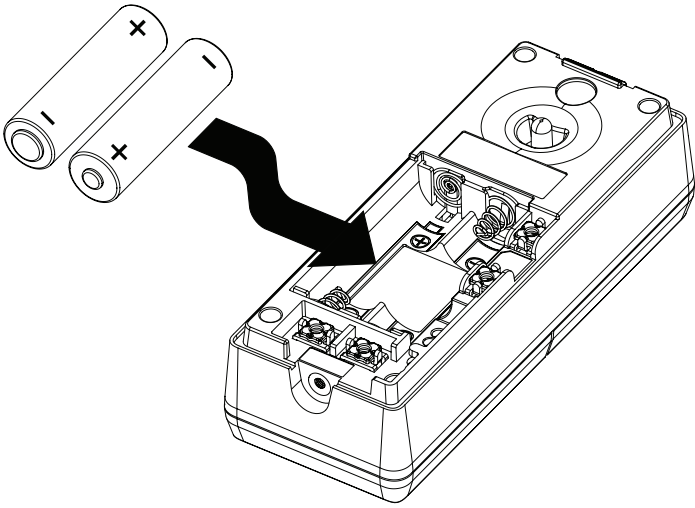


Basic steps to install your doorbell

- 1 Install doorbell battery
- 2 Doorbell power adapter installation
- 3 Add and register a doorbell
- 4 Doorbell location testing
- 5 Doorbell wall mount installation

1

Install doorbell battery



note

The doorbell can be supported by either AA batteries or AC power. However, you need to plug in AC power during doorbell registration or deregistration.

2

Doorbell power adapter installation

1. Loosen the screws and the metallic plates, then slide the metal part of the wires underneath the metallic plates as shown. Twist the screws to secure.

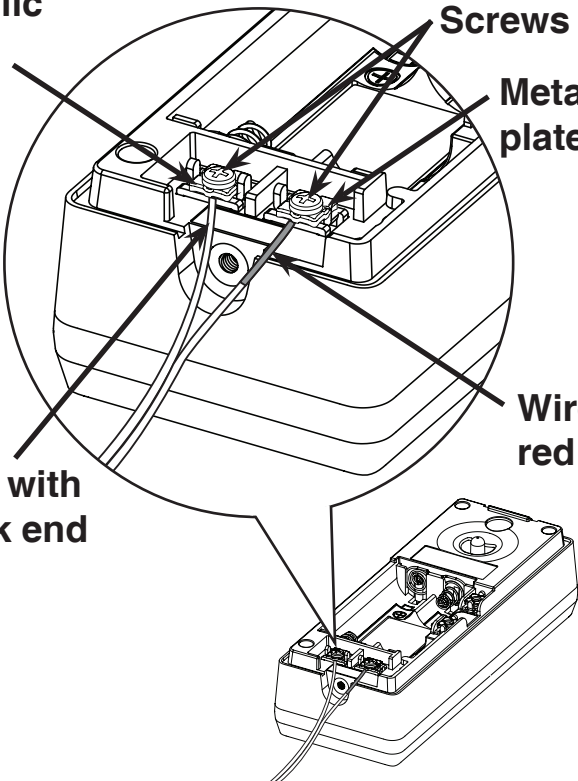
Metallic plate

Screws

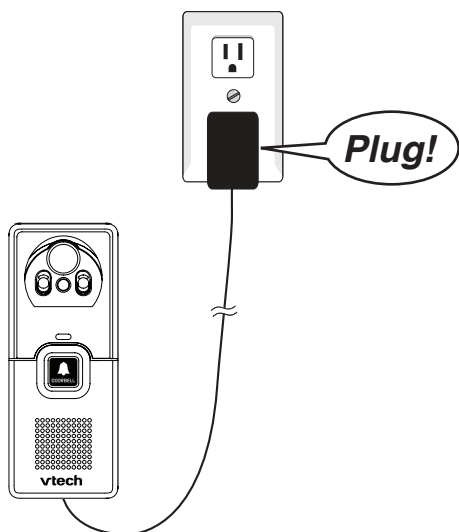
Metallic plate

Wire with black end

Wire with red end



2. Plug the adapter into the domestic power supply.



3



Add and register a doorbell

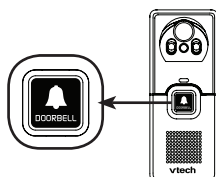
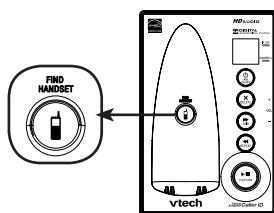


Make sure you plug in AC power before pairing it to the telephone base.

You can add another new doorbell (purchased separately) to your **IS7121** telephone system. This telephone system accommodates up to two doorbells.

Each new doorbell must be paired to the telephone base before use.

1. Press and hold /**FIND HANDSET** on the telephone base for about four seconds until the **IN USE** light turns on.
2. Press and hold /**DOORBELL** for about 10 seconds until the doorbell light flashes slowly. The doorbell light turns on and you hear a confirmation tone from the doorbell when registration completes. It takes about 60 seconds to complete the registration process.






If you want to replace a doorbell, or reassign the designated doorbell number of a registered doorbell, you must deregister all system devices and then register each handset/doorbell individually.



Make sure you plug in AC power for the doorbells before deregistration.

To deregister all handsets and doorbells:

1. Press and hold /**FIND HANDSET** on the telephone base for about 10 seconds until the **IN USE** light flashes.
2. Immediately press /**FIND HANDSET** again. You must press /**FIND HANDSET** while the **IN USE** light is still flashing. The **IN USE** light flashes for about five seconds.
3. All handsets show **Put handset on BASE to register** and all doorbell lights flash quickly. The deregistration process takes about 10 seconds to complete.

To register the handset(s) and/or doorbell(s) to the telephone base again, follow the registration instructions above.

4

Doorbell location testing

Before mounting the doorbell on a wall, make sure you test if the location you install the doorbell is in range, and adjust the camera angle to best suit your needs.

You may unplug the AC power first so that you can move around more conveniently to make the tests.

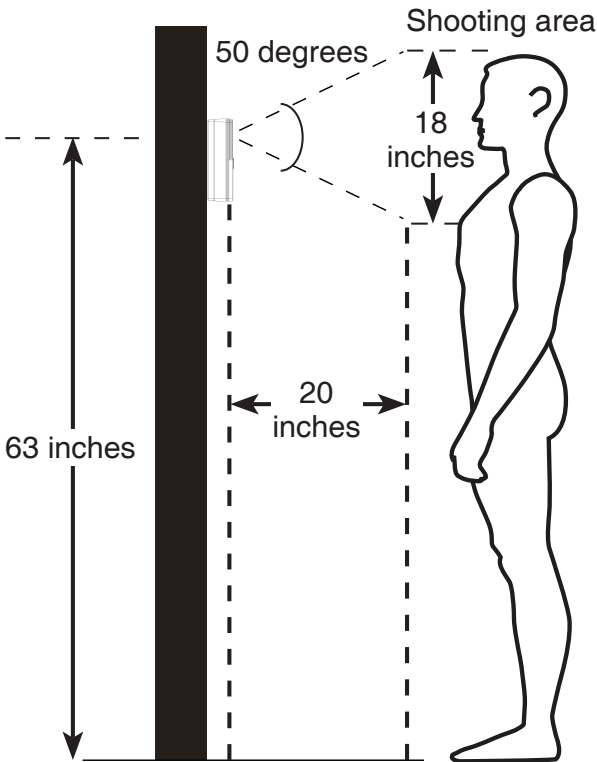
To test the location for installation:

Hold the doorbell in the location where you want to install the doorbell, then follow the steps below to test the reception range and video capture angle.

1. Press **MENU** >> Press **▼** or **▲** to **Settings** >> Press **SELECT**.
2. Press **▼** or **▲** to **Doorbell setup** >> Press **SELECT**.
3. Press **DOORBELL** to check the video streaming quality. Press **ISO**, then press **+** or **-** to adjust the video streaming brightness.
 - If audio feedback occurs, press **⏏** on the handset to turn off the speakerphone.
 - If the desired location is in good range, the handset displays **Full**.
 - If the desired location is not in good range, the handset flashes **Fi** in red. Press **INFO** for instructions to relocate your handset and/or telephone base. When the reception is in good range, the handset displays **Full**. Press **OK** to return to the video streaming.
4. Keep the video streaming on for camera lens adjustment.

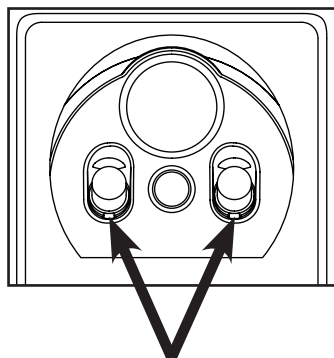
When you check for the desirable location to install the doorbell:

- Make sure the visitor is standing in a reasonable distance away from the doorbell.



- Avoid mounting it to where it is exposed to direct sunlight.
- Avoid mounting it to where reflections may be caused by sunlight, for example, opposite to a white wall.
- Avoid placing other cordless devices near the doorbell. They may cause interference.

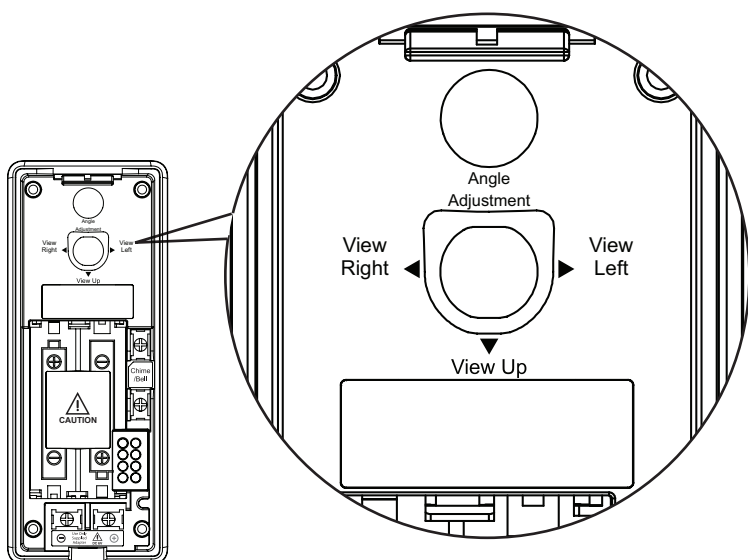
- Two built-in infrared LEDs are for night vision. Make sure the surrounding light source is sufficient for infrared operation. Test at the front door to determine when the infrared LEDs turn on. When they are in operation, they turn red.



Infrared LEDs

To adjust the shooting area, you may either relocate the doorbell in different height level, or adjust the camera angle (see below).

To adjust the camera angle:



- Tilt the lever to adjust the angle of the camera lens. The camera lens can be adjusted to left, right or down, up to 10 degrees.

After you have tested the reception range and found the desirable location to install the doorbell, press **OK** on the handset to end the video streaming and proceed to Step 5.

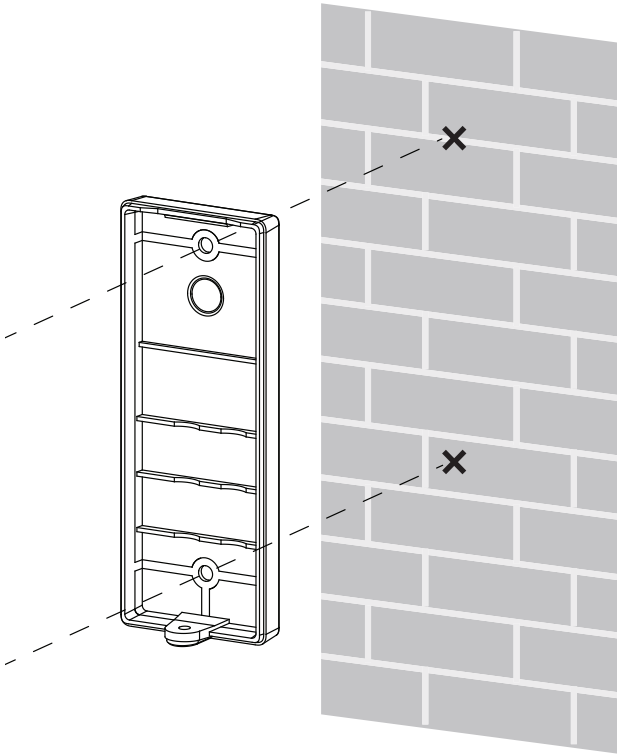
5

Doorbell wall mount installation



Make sure you have done Step 4 above before you mount the doorbell on the wall.

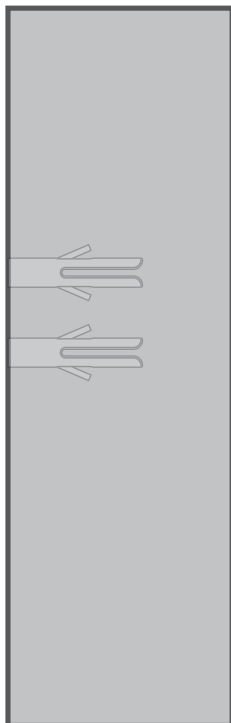
1. Use the two holes on the doorbell wall mount cover to mark the desirable installation location on the wall.



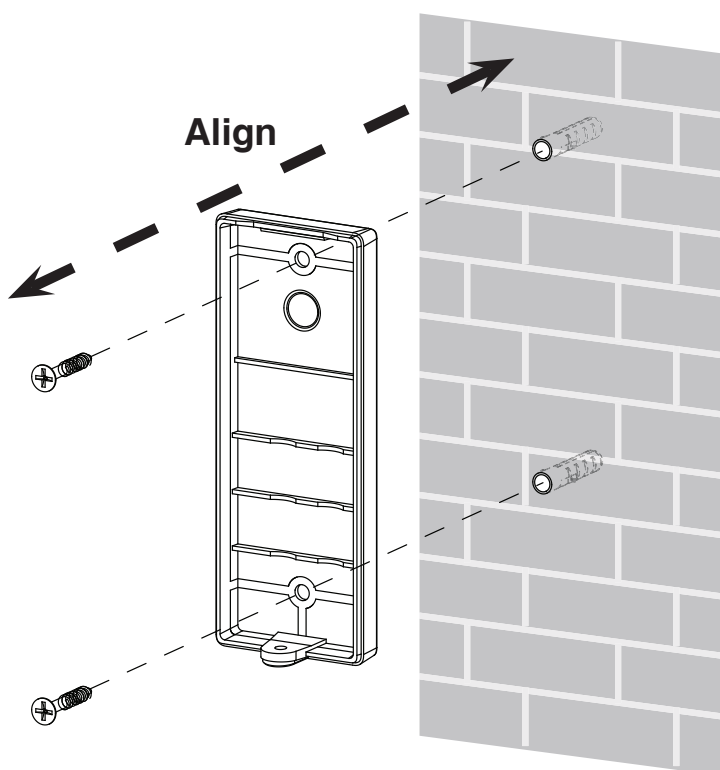
2. If you drill the holes into a stud, go to Step 3.

-OR-

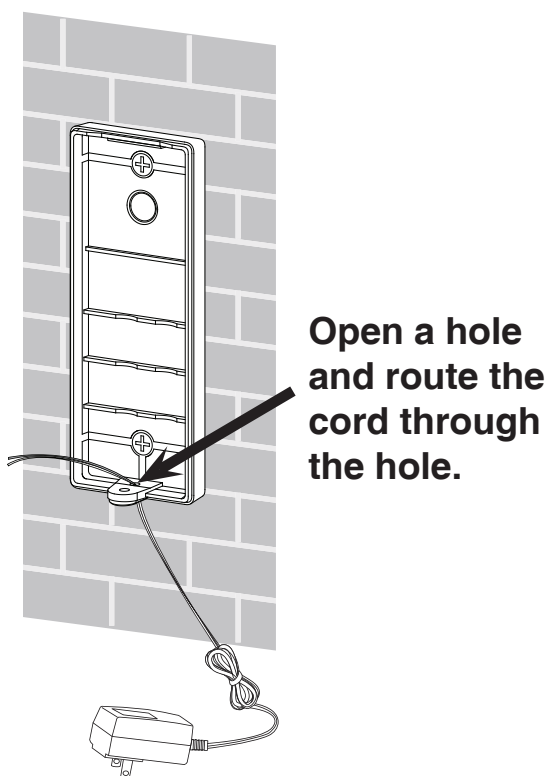
If you drill the holes into the wall, insert the wall anchors into the holes.



3. Align the holes on the wall mount cover with the holes on the wall. Tighten the screws into the holes to secure the wall mount cover onto the wall.



4. Use a sharp object to open a hole on the soft plastic part on the doorbell wall mount cover, then route the power adapter cord through the hole.



5. Loosen the screws and the metallic plates, then slide the metal part of the wires underneath the metallic plates as shown. Twist the screws to secure.

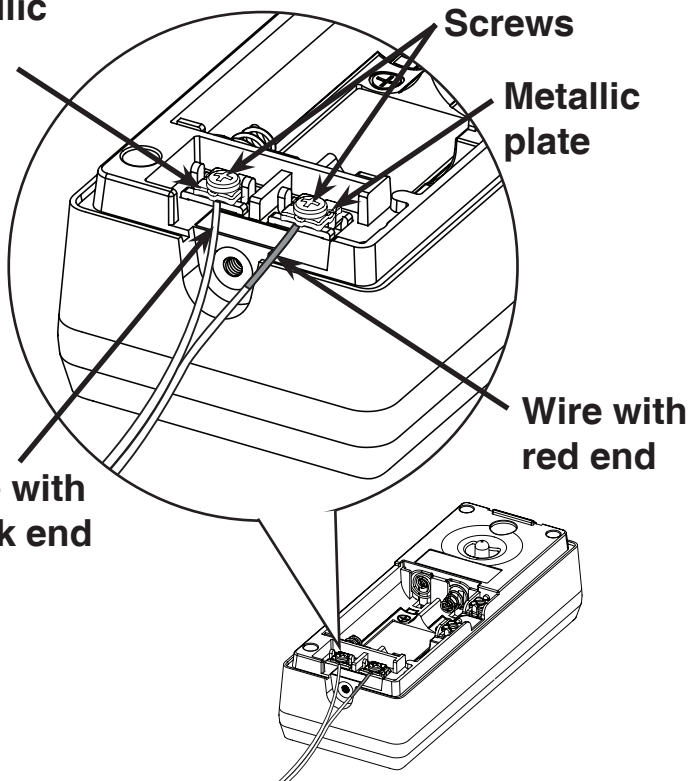
Metallic plate

Screws

Metallic plate

Wire with red end

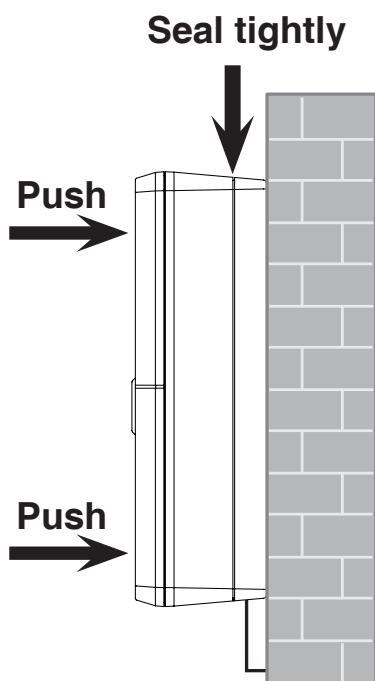
Wire with black end



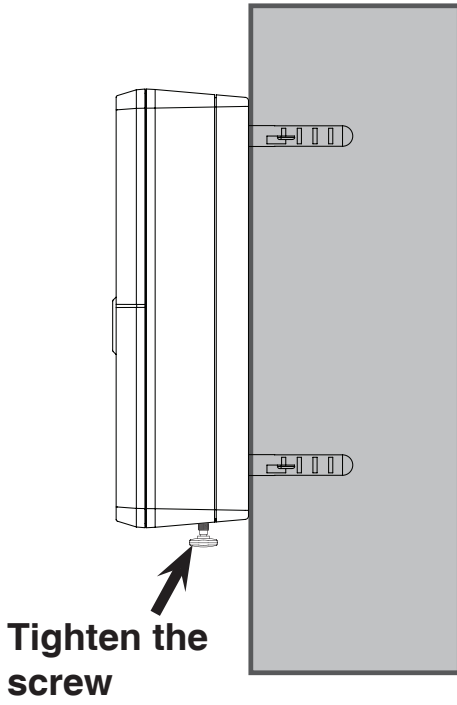
If you already have a wired doorbell installed, see Installing the doorbell with an existing wired doorbell on pages 12 and 13 to install your new IS741 doorbell unit.

6. Push the doorbell gently onto the wall mount until they are sealed tightly.

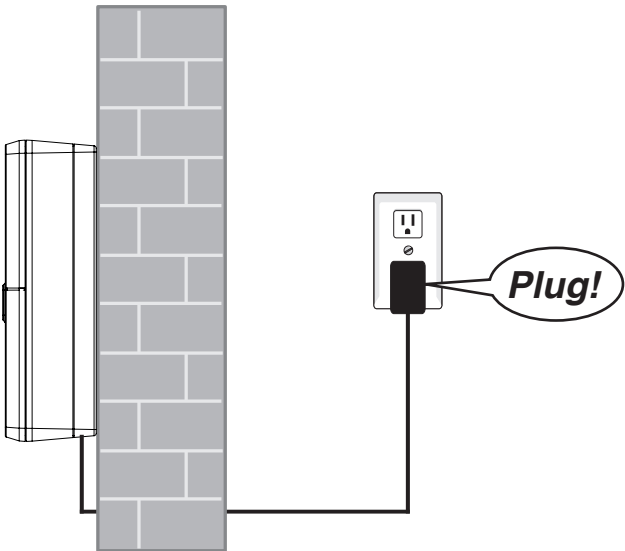
This doorbell meets the **IPX4** waterproof standard. Make sure the doorbell is tightly sealed with its wall mount in order to maintain its waterproof ability.



7. Tighten the screw into the threaded socket at the bottom to secure.



8. Plug the adapter into the indoor domestic power supply.

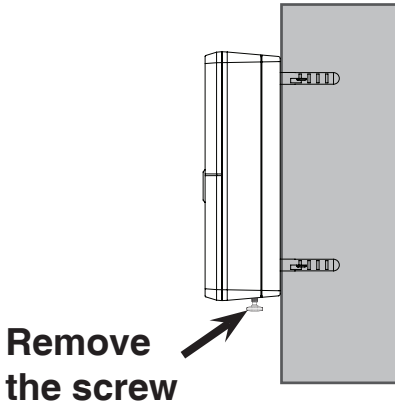


Detach doorbell from wall mount cover

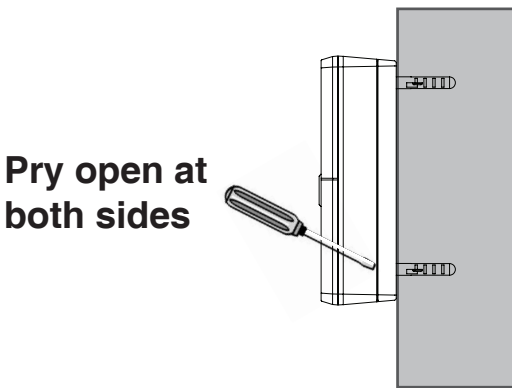
After an extended exposure to cold, heat or humidity, the doorbell gasket rubber may become sticky.

If you need to remove the doorbell from its wall mount cover in case of battery replacement or doorbell relocation, follow the steps below.

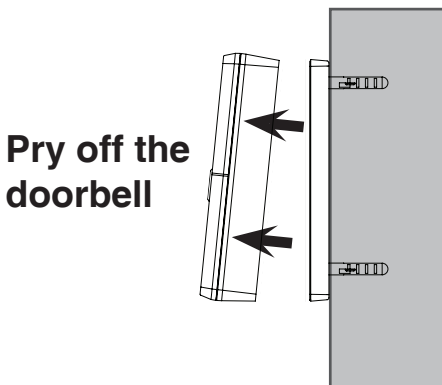
1. Remove the screw at the bottom.



2. Insert a flat-bladed screwdriver between the doorbell and its wall mount cover.



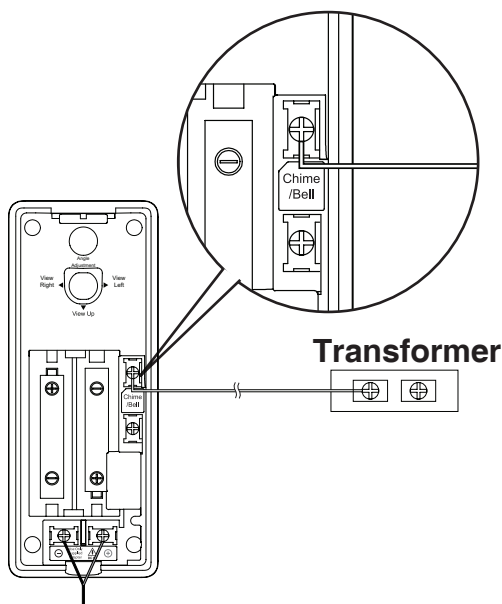
3. Pry the doorbell off.



Installing the doorbell with an existing wired doorbell (optional)

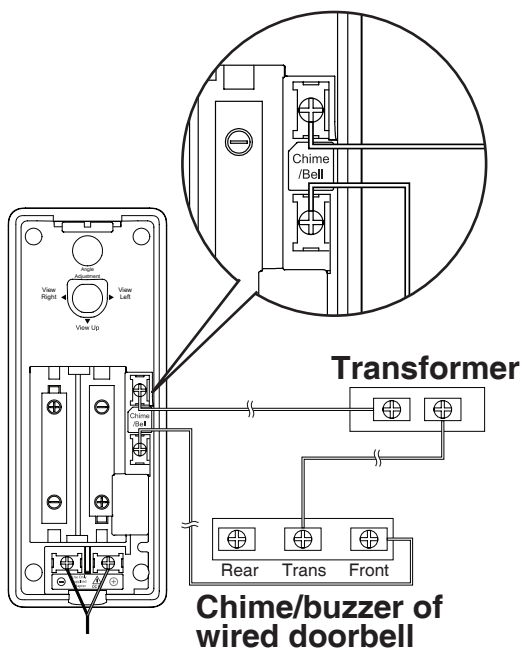
If you already have a wired doorbell installed, follow the instructions below to install your new **IS741** doorbell unit.

1. Turn off the power supply to the existing wired doorbell.
2. Follow Step 1 through Step 5 in **Doorbell wall mount installation** from pages 7 to 9.
3. Insert a cross-head screwdriver to the side of battery compartment on the right, then twist and lift to loosen the screw and the metallic plates. Using a wire, slide one end of the metal part of the wire underneath the metallic plate, then twist the screws to secure. Connect the other end to the transformer.

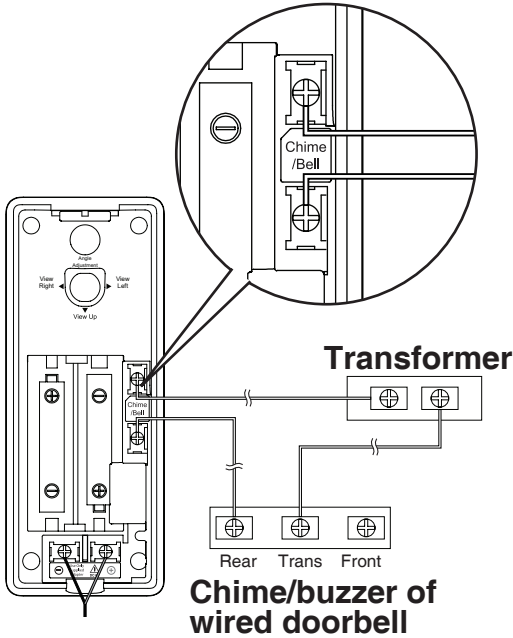


4. Using another wire, slide one end of the metal part underneath the metallic plate on the doorbell, then connect the other end to the Trans terminal of your chime/buzzer unit of the wired doorbell.

Option 1: Ring the front doorbell of the existing wired doorbell and the **IS7121** doorbell simultaneously.



Option 2: Ring the rear doorbell of the existing wired doorbell and the IS7121 doorbell simultaneously.



If you do not connect domestic power supply nor install AA batteries to the IS741 doorbell, only the existing wired doorbell will ring when being pressed.

5. Follow Step 6 through Step 8 in **Doorbell wall mount installation** on pages 9 and 10 to complete the installation.

Important safety instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water such as near a bath tub, wash bowl, kitchen sink, laundry tub or a swimming pool, or in a wet basement or shower.
5. Do not place this product on an unstable table, shelf, stand or other unstable surfaces.
6. Slots and openings in the back or bottom of the telephone base and handset are provided for ventilation. To protect them from overheating, these openings must not be blocked by placing the product on a soft surface such as a bed, sofa or rug. This product should never be placed near or over a radiator or heat register. This product should not be placed in any area where proper ventilation is not provided.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply in your home or office, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not install this product where the cord may be walked on.
9. Never push objects of any kind into this product through 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.
10. To reduce the risk of electric shock, do not disassemble this product, but take it to an authorized service facility. Opening or removing parts of the 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.
11. Do not overload wall outlets and extension cords.
12. Unplug this product from the wall outlet and refer servicing to an authorized service facility under the following conditions:
 - When the power supply cord or plug is damaged or frayed.
 - If liquid has been spilled onto the product.
 - If the product has been exposed to rain or water.
 - 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.
 - If the product has been dropped and the telephone base and/or handset has been damaged.
 - 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 put 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 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.

SAVE THESE INSTRUCTIONS

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

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

When the handset is out of range, the handset displays **Out of range or no pwr at base**.

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 press **END CALL**. Move closer to the telephone base, then press **END CALL** 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.

ECO mode

This power conserving technology reduces power consumption for optimal battery performance. The ECO mode activates automatically whenever the handset is synchronized with the telephone base.

Maintenance

Taking care of your telephone

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

Avoid rough treatment

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

Avoid water

Your telephone can be damaged if it gets wet. Do not use the handset 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 mild soap. Do not use dampened cloth 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 CORD FROM THE WALL. Then remove the telephone by the unplugged cords.

About cordless telephones

- **Privacy:** The same features that make a cordless telephone convenient create some limitations. Telephone calls are transmitted between the telephone base and the cordless handset by radio waves, so there is a possibility that the cordless telephone conversations could be intercepted by radio receiving equipment within range of the cordless handset. For this reason, you should not think of cordless telephone conversations as being as private as those on corded telephones.
- **Electrical power:** The telephone base of this cordless telephone must be connected to a working electrical outlet. The electrical outlet should not be controlled by a wall switch. Calls cannot be made from the cordless handset if the telephone base is unplugged, 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.

Limited 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 USA, visit our website at www.vtechphones.com or call 1 (800) 595-9511. In Canada, go to www.vtechcanada.com or call 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. 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.

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

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 and the door bell 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.

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 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 the 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, 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

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.

The Ringer Equivalence Number (REN) for this terminal equipment is 1.0. 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.

Technical specifications

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 may vary according to environmental conditions at the time of use.
Power requirements	Doorbell unit: Two 2A batteries Doorbell unit power adapter: input: 100 - 240V AC 50/60Hz output: 6V DC @ 600mA

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