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vtech
Quick start guide



TECHNICAL SPECIFICATIONS

Power requirements	Normal effective range	LCD	Channel	Transmit frequency	Frequency channel
Parent unit power adapter: Output: 5V DC @ 500mA Baby unit power adapter: Output: 5V DC @ 500mA	Parent unit: 3.7V (Li-ion) Baby unit: 3.7V (Li-ion)	3" Color LCD (WQVGA 800x272 pixel)	37	Parent unit: 2405 ~ 2425 MHz Baby unit: 2405 ~ 2425 MHz	Crystal controlled PLL synthesizer

DISCLAIMER AND LIMITATION OF LIABILITY

Vtech Communications, Inc. and its suppliers assume no responsibility for any damage or loss resulting from the use of this product. Vtech Communications, Inc. and its suppliers assume no responsibility for any damage or loss resulting from the use of this product. Vtech Communications, Inc. and its suppliers assume no responsibility for any damage or loss resulting from the use of this product.

BASIC OPERATION - PARENT UNIT

Adjust speaker volume

Press **Q** / **Vol** / **+** / **Vol** / **-** to adjust your parent unit speaker volume.

Zoom

Press **Q** to zoom in or out.

Talk to your baby unit

Press and hold **TALK** and speak to your parent unit. Your voice is transmitted to the baby unit. Release **TALK** when finish talking and hear your baby again.

Turn off the screen

Press and hold **LCD ON/OFF** to switch off the screen. You can still hear sound from the baby unit.

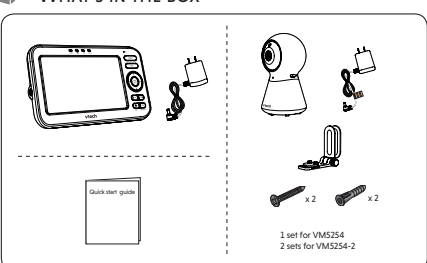
TIP

Press any key on the parent unit to turn on the screen again.

IMPORTANT SAFETY INSTRUCTIONS

- The applied nameplate is located at the bottom of the baby unit's base.
- When using your equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury, including the following:
- Follow all warnings and instructions marked on the product.
 - Adult setup is required.
 - CAUTION:** Do not install the baby unit at a height above 6 meters.
 - This product is not a substitute for adult supervision of the infant. Supervising the infant is the parent's or caregiver's responsibility. The product could cause overheating, and therefore you should not assume it will continue working properly for any given period of time. Further, this is not a medical device and should not be used as such. This product is intended to assist you in supervising your baby.
 - Do not use this product near water. For example, do not use it near a bath tub, wash basin, kitchen sink, laundry tub, swimming pool, or if a wet surface is exposed or covered.
 - CAUTION:** Use only the battery provided. There may be a risk of explosion if a wrong type of battery is used in the parent unit. The battery cannot be subjected to high or low extreme temperatures and low air pressure at high altitude during use, storage or transportation. Disposal of battery into fire of a hot oven, or mechanically crushing or cutting of the battery can result in an explosion. Leaving the battery in an extremely high temperature surrounding environment can result in an explosion or the leakage of flammable liquid or gas. Battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas. Dispose of used battery according to the information in **The Note**.
 - Use only the adapters included with this product. Incorrect adapter polarity or voltage can seriously damage the product.
- Power adapter information:**
Parent unit output: 5V DC 500mA
Baby unit output: 5V DC 500mA
Vtech Telecommunications Ltd.
Model: VTDSU050300
- Rechargeable battery information:**
Li-ion battery, 1.8V 2200mAh
Shenzhen Tianshi Battery Co., Ltd.
Model Number: BP263
- 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 wall outlet, under a table or cabinet outlet.
- For portable equipment, the socket outlet shall be located near the equipment and shall be easily accessible.
- Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- Do not cut off the power adapters to replace them with other plugs. This causes a hazardous situation.
- Do not use anything to rest on the power cords. Do not rest this product where the cords may be walked on or tripped.
- This product should be secured only from the type of power source indicated on the marking label. If you use a power source other than the one specified, consult your dealer or local power company.
- Do not overheat wall outlets or use an extension cord.
- Do not place this product on an unstable table, shelf, stand or other furniture.
- This product should not be placed in any area where proper ventilation is not provided. Slots and openings in the back or bottom of this product are provided for ventilation. To prevent them from overheating, these openings must not be blocked by placing this 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.
- Never push objects of any kind into this product through the slots because they may touch dangerous voltage lines or create a short circuit. Never spill liquid of any kind on the product.
- To reduce the risk of electric shock, do not disassemble the product, but take it to an authorized service facility. Opening or removing parts of the product other than those specifically intended for disassembly may cause voltages or other risks. Incorrect reassembly can cause electric shock when the product is subsequently used.
- Periodically test the sound reception every time you turn on the unit or move one of the components.
- Periodically examine all components for damage.
- There is a very low risk of privacy loss when using certain electronic devices, such as baby monitors, cordless telephones, etc. To protect your privacy, make sure the product has never been used before purchase, reset the baby monitor periodically by powering off and then powering on the unit, and power off the baby monitor if you will not use it for some time.
- Children should be supervised to ensure that they do not play with the product.
- The product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- SAVE THESE INSTRUCTIONS**
- Caution:**
- Use and store the product at a temperature between 32°F and 104°F.
 - Do not expose the product to extreme cold, heat or direct sunlight. Do not put the product close to a heating source. Batteries should not be exposed to excessive heat such as bright sunshine or fire.
 - Warning - Strangulation Hazard -** Children have STRANGLING in cords. Keep this cord out of the reach of children (more than 3ft (10m) away). Do not remove this tag.
 - Never place the baby unit inside the baby's crib or playpen. Never cover the baby unit or parent unit with anything such as a towel or a blanket.
 - Other electronic products may cause interference with your baby monitor. To maintain your baby monitor's performance, keep it away from these electronic devices as possible: wireless routers, radios, cellular phones, pagers, modems, televisions, personal computers, kitchen appliances and cordless telephones.
- Precautions for users of implanted cardiac pacemakers:**
Cardiac pacemakers are sensitive only to digital devices: Wireless Technology Research, LLC (WTR), an independent research entity, led a multidisciplinary evaluation of the interference between portable wireless devices and implanted cardiac pacemakers, supported by the U.S. Food and Drug Administration, WTR recommends to physicians that:
- Pacemaker patients**
- Should keep wireless devices at least six inches from the pacemaker.
 - Should NOT place wireless device directly over the pacemaker, such as in a breast pocket, when it is turned ON. WTR's evaluation did not identify any risk to bystanders with pacemakers from other persons using wireless devices.
- Electromagnetic fields (EMF):**
This Vtech product complies with all standards regarding electromagnetic fields (EMF). If handled properly and according to the instructions in this user's manual, the product is safe to be used based on scientific evidence available today.

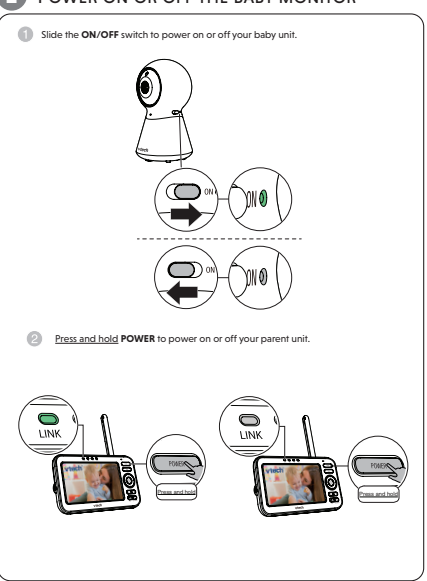
WHAT'S IN THE BOX



CONNECT THE BABY MONITOR

- NOTES:**
- The rechargeable battery in the parent unit is built-in.
 - Use only the power adapters supplied with this product.
 - Make sure the baby monitor is not connected to a switch-controlled electric outlet.
 - Connect the power adapters in a vertical or floor mount position only. The adapters' prongs are not designed to hold the weight of baby monitor, so do not connect them to any ceiling, under-the-table, or cabinet outlets. Otherwise, the adapters may not properly connect to the outlets.
 - Make sure the parent unit, the baby unit and the power adapter cords are out of reach of children.
- 1** Slide the **ON/OFF** switch to power on or off your baby unit.
- 2** Press and hold **POWER** to power on or off your parent unit.

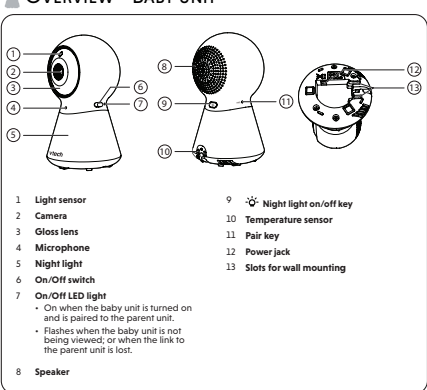
POWER ON OR OFF THE BABY MONITOR



POSITIONING THE BABY MONITOR

- CAUTION**
- Keep the baby unit out of the reach of your baby. Never place or mount the baby unit inside the baby's crib or playpen.
- CAUTION**
- The default volume of your parent unit is level 4, and the maximum volume is level 1. If you experience high-pitched screaming noise from your baby monitor while positioning:
 - Make sure your baby unit and parent unit are more than 3 feet (1 meter) apart, OR
 - Lower the volume of your parent unit.
- NOTE**
- To avoid interference from other electronic devices, place your baby monitor at least 3 feet (1 meter) away from devices such as wireless routers, microwaves, cell phones and computers.
- Once you power on both your baby unit and parent unit, your parent unit displays image from the baby unit, and the **LINK** LED light turns on.
- The baby unit **ON** LED light turns on.

OVERVIEW - BABY UNIT



NEED HELP?

For operations and guides to help you operate your video monitor, and for the latest information and support, check out our online help topics and FAQs.

Use your smartphone or mobile device to access our online help.

- Go to <https://help.vtechphones.com/vm254-2> or <https://help.vtechphones.com/vm254-2>, OR
- Scan the QR code on the right. Launch the camera app or QR code scanner app on your smartphone or tablet. Hold the device's camera up to the QR code and frame it. Tap the pop-up notification to be redirected to the online help page.
- If the QR code is not clearly displayed, adjust your camera's focus by moving your device closer or further away until the image is clear.

You can also call our Customer Support at 1 (800) 595-9511 [in US] or 1 (800) 267-7377 [in Canada] for help.

PARENT UNIT ICONS

Main menu	Sub-menu	Main menu	Sub-menu
Brightness	Adjust the parent unit's LCD brightness.	Night light	ON/OFF
Camera settings	Baby unit speaker volume	Turn on/off night light	1 2 3 4 5 6 7
Monitoring mode (For VM254-2 only)	Single mode	60min 30min 15min	Set timer to turn the night light off.
Split mode	Patrol mode	OFF	Select one of seven night light colors.
Play/Stop lullaby	Set the minimum temperature.	ON/OFF	Change to all seven colors in cycles.
Temperature	Set the maximum temperature.	ON/OFF	Set timer to turn the night light off.
Set temperature display in Fahrenheit (°F) or Celsius (°C)		ON/OFF	Select to set the night light to always on.

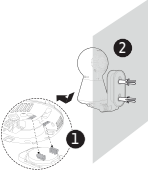
STATUS CHECK

Main menu	Sub-menu	Main menu	Sub-menu
Alert tones	Set the parent unit to beep when the battery is low.	Sound activation - screen and audio	ON/OFF
Turn on/off sound activation	Set sound activation on or off.	Turn on/off sound activation	Set sound activation on or off.
When it is on, and the baby unit detects no sound, the parent unit screen stays off to save power. Once a sound is detected, the parent unit screen and speaker turns on automatically, and you can see and hear your baby. The parent unit will then turn off again after 50 seconds of no sound detection.		When it is on, and the baby unit detects no sound, the parent unit screen stays off to save power. Once a sound is detected, the parent unit screen and speaker turns on automatically, and you can see and hear your baby. The parent unit will then turn off again after 50 seconds of no sound detection.	
NOTE	When the parent unit screen is off and it receives alerts, for example, link lost between parent unit and baby unit, or battery is low, the parent unit screen and speaker will turn on for 10 seconds.	VOX (Voice Activated Alert) Sensitivity	You can set VOX sensitivity level to activate parent unit screen and sound when baby unit detects sounds that exceed certain levels. See Sound sensitivity and sound activation section.

Status icons	Status icons	Alert icons
 Connection status  - Strong signal strength.  - Moderate signal strength.  - Low signal strength.  - Weak signal strength.	°F or °C  Real-time temperature - Real-time temperature detected by the baby unit in Fahrenheit (°F) or Celsius (°C) (e.g. 97 °F or 34 °C). Temperature alert tone - On  9-level sound indicator   indicates low sound level detected by the baby unit.  indicates moderate sound level detected by the baby unit.  indicates high sound level detected by the baby unit. Mute alert - Displays when the parent unit speaker volume is set to off. - Displays when the parent unit is talking to the baby unit.	 - Displays when parent unit's battery is low and needs charging.  - Displays when connection between parent unit and baby unit is lost.  - Displays when sound is detected at a baby unit when in Split view. (For VM5254-2 only)  - Baby unit detects temperature reaches or exceeds the set maximum.  - Baby unit detects temperature is at or is lower than the set minimum.
 Split mode (*For VM5254-2 only)  Patrol mode (*For VM5254-2 only) Current view status - The baby unit number that is being viewed when in: Single CAM mode. Patrol mode (*For VM5254-2 only). Split mode (*For VM5254-2 only).	 Mute alert - Displays when the parent unit speaker volume is set to off. - Displays when the parent unit is talking to the baby unit. Battery status   animates when the battery is charging.  - battery is fully charged.  - battery is low and needs charging.	
 Night vision - On  Zoom - On  Lullaby - On  Night light - On  Night light - Auto-on	 Color icon - Color icon indicates the night light is set to auto-on, and is currently turned on by sound activation. - Gray icon indicates the night light is currently off but is set to auto-on. Night light will turn on when sound is detected by the baby unit.	

Notes

- Check for reception strength and camera angle before drilling the holes.
- The types of screws and anchors you need depend on the composition of the wall. You may need to purchase the screws and anchors separately to mount your camera units.

1. Place the wall mount bracket on a wall and then use a pencil to mark two holes in parallel. Remove the wall mount bracket and drill two holes in the wall (7/32 inch drill bit).
 
2. If you drill the holes into a stud, go to step 3.
 - If you drill the holes into an object other than a stud, insert the wall anchors into the holes. Tap gently on the ends with a hammer until the wall anchors are flush with the wall.
3. Align the wall mount bracket and screws with the holes in the wall as shown. Tighten the screw in the middle hole first, so that the wall mount bracket position is fixed. You can tighten the other screw in the top hole.
 
4. Place the camera unit on the wall mount bracket, and then slide it forward until it locks into place. Connect the power adapter to the camera unit and a power supply not controlled by a wall switch.
 
- OR
4. Place the camera unit on the wall mount bracket, and then slide it forward until it locks into place. Align the holes on the wall mount bracket with the screws on the wall, and slide the wall mount bracket down until it locks into place.
 
5. You can maximize your camera unit's viewing angles by tilting the wall mount bracket.
 

Adjust sound detection sensitivity

You can turn on **Sound activation** and adjust the **VOX sensitivity** to detect sounds and turn on the parent unit while its screen is switched off or dimmed.

When the baby unit detects sounds that exceed certain levels, the parent unit screen will turn on and the baby unit starts transmitting the sounds to the parent unit, so you can see and hear your baby. If you turn on the **VOX sensitivity** feature, it will turn on automatically to soothe your baby.

If you turn off **Sound activation**, you will hear sounds from the baby unit all the time when the parent unit screen is switched off.

If you have turned on sound alert, the parent unit beeps when the baby unit detects sounds in **Sleep mode**. (For VM5254)

Level 5 (Highest)	Level 4 (High)	Level 3 (Medium)	Level 2 (Low)	Level 1 (Lowest)
(Default setting) The parent unit screen and speaker turn on for soft babbbling and sounds from the baby's small sounds, including babbles when the parent unit remains quiet when you hear baby noises from your baby's room.	The parent unit screen and speaker turn on for soft babbbling and sounds from the baby's small sounds, including babbles when the parent unit remains quiet when you hear baby noises from your baby's room.	The parent unit screen and speaker turn on for loud babbbling and sounds from your baby's loud sounds.	The parent unit screen and speaker turn on for crying or loud sounds from your baby's loud sounds.	The parent unit screen and speaker turn on for crying or loud sounds from your baby's loud sounds. The parent unit remains quiet when your baby makes soft sounds.

The parent unit display will dim to conserve energy after 10 minutes of inactivity, in which there is neither key pressed nor alert received from the baby unit.



The diagram illustrates the power-saving feature of the parent unit. It shows two states of the parent unit's display. On the left, the display is bright and shows a clear image of a baby's face. In the center, there is a clock icon followed by the text "10 min inactivity". Below this, a double-headed curved arrow indicates a transition. On the right, the display is dimmed, and the baby's face is less visible. Below the dimmed display, the text "Press any button" is written, indicating the action required to wake the display.

Status check - Two baby units

If you are viewing baby unit ①, the **POWER** LED light of baby unit ① turns on. As baby unit ② is not being viewed, its **POWER** LED light flashes.

NOTE

- If you power on only one baby unit, you may see the parent unit displaying ① and then ②, and the **LINK** LED light flashing.
- Press **VIEW** in **Single CAM** or **Patrol** mode to switch to the baby unit you have powered on.

Change different views - Single CAM

In **Single CAM** or **Patrol** mode, press **VIEW** to switch between the image of baby units ① and ②.

The diagram illustrates the process of switching views in Single CAM mode. It shows a baby unit ① and a baby unit ②. A button labeled 'Press VIEW' is shown between them. Below the button, a baby unit ② is shown displaying the image of baby unit ①, indicating that the view has been switched.

The RBCRC seal on Li-ion 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 program provides a convenient alternative to placing used Li-ion batteries into the trash or municipal waste, which may be illegal in your area.

Vtech's participation makes it easy for you to drop off the spent battery at local retailers participating in the program or at authorized Vtech product service centers. Please call **1-800-847-BATTERY** for information on Li-ion battery recycling and responsible disposal of your Vtech equipment. Your involvement in this program is part of your commitment to protecting our environment and conserving natural resources.

The RBCRC seal and 1-800-847-BATTERY® are registered trademarks of CalRecycle, Inc.

Part C15

This equipment has been tested and found to comply with the requirements for a Class B digital device under Part 15 of the 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 may interfere with radio and television reception if it is not properly installed and used. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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.
- Connect the dealer or an authorized service company to the TV set.

WARNING: Changes or modifications to this equipment not expressly approved by the party responsible for compliance with FCC rules may void the user's warranty for this equipment.

This device complies with Part 15 FCC rules. This device is subject to the following two conditions: (1) This device may cause harmful interference, and (2) This device must accept any interference received, including interference that may cause actual degradation of performance.

To ensure safety of users, the FCC has established criteria for the amount of radio frequency energy that can be safely absorbed by the human body. This equipment is designed to comply with the FCC's safety limits for the amount of radio frequency energy that can be absorbed by the human body. The baby unit shall be installed and used such that parts of all persons' body are maintained at a distance of 18 in (46 cm) or more. The transmitter and antenna of the parent unit shall be held at least 1 to 3 1/2 in from your face.

Class B digital apparatus complies with Canadian requirement.
CAN ICES-3 (B) Nul 3000

Industry Canada

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's (ISED) licensing requirements for the following two conditions: (1) This device may not cause interference; (2) This device must accept any interference, including interference that may cause undesired operation of the device.

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

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

RF radiation exposure information

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The baby unit should be installed and operated with a minimum distance of 8 in (20 cm) between the baby unit and all persons' body. Use of other accessories, such as a car seat, may increase the distance between the baby unit and the baby. The baby unit should be used in conjunction with any other antenna or receiver. This equipment complies also with Industry Canada RSS-320 with respect to radio frequency energy exposure.

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