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DM221 DM221-2 Digital Audio Monitor

vtech
User's manual

CONGRATULATIONS

on purchasing your new Vtech product.
Before using this product, please read **important safety instructions**.

This manual has all the feature operations and troubleshooting necessary to install and operate your new Vtech product. Please review this manual thoroughly to ensure proper installation and operation of this innovative and feature-rich Vtech product.

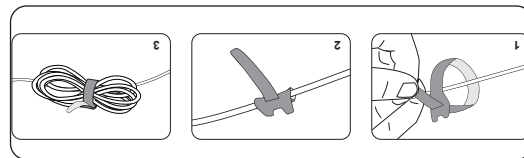
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WHAT'S IN THE BOX



All rights reserved. 11/22 DM221-X, CIB_V12	
Specifications are subject to change without notice.	
Frequency control	Crystal controlled PLL synthesizer
Transmit frequency	Baby unit: 1921.536-1928.448 MHz Parent unit: 1921.536-1928.448 MHz
Channels	5
LCD	33 (x) x 21.2 (y) mm B&W LCD
Normal effective range	Maximum power allowed by FCC and IC. Actual operating range may vary according to environmental conditions at the time of use.
Power requirement	Baby unit power adapter: Output: 6V DC 400mA Parent unit power adapter: Output: 6V DC 400mA

TECHNICAL SPECIFICATIONS



CABLE MANAGEMENT

IMPORTANT SAFETY INSTRUCTIONS

The applied nameplate is located in the battery compartment of the baby and parent units.
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 2 meters.

This product is not a substitute for adult supervision of the infant. Supervising the infant is the parent's or caregiver's responsibility. This product could cease operating, 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 next to a bath tub, wash bowl, kitchen sink, laundry tub or swimming pool, or in a wet basement or shower.

CAUTION: Use only the batteries provided. There may be a risk of explosion if a wrong type of battery is used for the parent unit. The batteries can be subjected to high or low extreme temperature and low air pressure at high altitude during use, storage or transportation. Disposal of batteries into fire or a hot oven, or mechanically crushing or cutting or the batteries can result in an explosion. Leaving the batteries in an extremely high temperature surrounding environment can result in an explosion or the leakage of flammable liquid of gas. Batteries subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid of gas. Dispose of used battery according to the information in the RBC seal.

- Do not use the product near water. For example, do not use it next to a bath tub, wash bowl, kitchen sink, laundry tub or swimming pool, or in a wet basement or shower.

CAUTION: Use only the batteries provided. There may be a risk of explosion if a wrong type of battery is used for the parent unit. The batteries can be subjected to high or low extreme temperature and low air pressure at high altitude during use, storage or transportation. Disposal of batteries into fire or a hot oven, or mechanically crushing or cutting or the batteries can result in an explosion. Leaving the batteries in an extremely high temperature surrounding environment can result in an explosion or the leakage of flammable liquid of gas. Batteries subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid of gas. Dispose of used battery according to the information in the RBC seal.

- Use only the adapters included with this product. Incorrect adapter polarity or voltage can seriously damage the product.
- Use only adapters and batteries listed below.

Power adapter information:
Output: 6V DC 400mA
VTECH TELECOMMUNICATIONS LTD.
Model: VT05UUS06040

Rechargeable battery information:
2.4V 750mAh Ni-MH battery
YIYANG CORLIN BATTERY CO. LTD.
Model: Ni-MH AAA750'2

- 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.

CAUTION: For plug-in equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

- Unplug the power cords before replacing batteries.
- Do not cut off the power adapters to replace them with other plugs, as this causes a hazardous situation.

CAUTION: Do not allow anything to rest on the power cords. Do not install this product where the cords may be walked on or crimped.

- This product should be operated only from the type of power source indicated on the label. Do not use the product if you are not sure of the type of power supply in your home, consult your dealer or local power company.

CAUTION: Do not place this product on an unstable table, shelf, stand or other unstable surfaces.

- Do not place this product on an unstable table, shelf, stand or other unstable surfaces.
- This product should not be placed in any area where proper ventilation is not provided. Slot and openings in the back or bottom of this product 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.

- Never push objects of any kind into this product through any slot because they may short circuit power supply points or create a short circuit. Never spill liquid of any kind on the product.

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 product other than specified access doors may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the product is subsequently used.

- You should 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

- 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 STRANGLED in cords.** Keep this cord out of the reach of children (more than 3 ft (0.9 m) 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. Try installing your baby monitor as far away from these electronic devices as possible: wireless routers, radios, cellular telephones, intercoms, room monitors, televisions, personal computers, kitchen appliances and cordless telephones.

Precautions for users of implanted cardiac pacemakers
Cardiac pacemakers (applies only to digital cordless 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 devices 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.

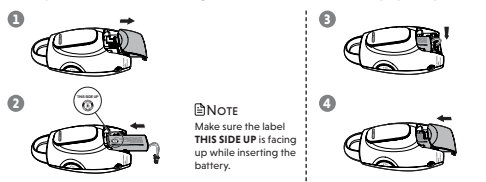
1 CONNECT AND CHARGE THE BATTERY

Install the parent unit battery

The parent unit runs on rechargeable battery or AC power. To continuously monitor your baby, make sure you use both battery and AC power at the same time. With the battery alone, the parent unit can cordlessly run for a short time only.

NOTES

- Use only the battery supplied with this product.
- If the parent unit will not be used for a long time, disconnect and remove the battery to prevent possible leakage.



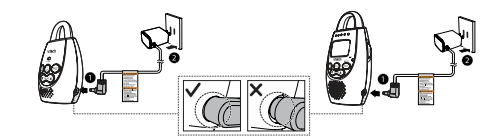
Replace the battery

To replace the battery, unplug the battery connector from the socket, and then pull the battery out of the battery compartment. Follow the steps above to install the battery.

Connect the baby monitor

NOTES

- Use only the power adapters supplied with this product.
- Make sure the baby monitor is not connected to an electric outlet that is controlled by a switch.
- The power adapters' prongs are not designed to hold the weight of your baby monitor. Make sure you connect the adapters to wall outlets that are in vertical or floor mount position. Do not connect them to undermount and ceiling outlets. Otherwise, your baby monitor would fall out of the outlets.
- Make sure the parent unit, the baby unit and the power adapter cords are out of reach of children.



Charge the parent unit battery

When you have connected the parent unit and installed its battery for the first time or after power outage, the parent unit powers on automatically. The battery icon indicates the battery status (see the following table).

NOTES

- The parent unit battery is fully charged after 11 hours of continuous charging.
- It takes longer to charge the battery when the parent unit is turned on. To shorten the charging time, turn the parent unit off while charging.
- The standby time varies depending on the sensitivity level you set, your actual use and the age of the battery.

BATTERY INDICATORS	BATTERY STATUS	ACTION
The battery icon is off.	No battery is installed but operates using AC power.	Install the parent unit battery. Charge without interruption (at least 30 minutes).
The screen displays LOW BATTERY and light flashes.	The battery has very little charge and may be used for only a short time.	Charge without interruption (about 30 minutes).
The battery icon becomes solid .	The battery is fully charged.	To keep the battery charged, connect it to AC power when not in use.

2 BEFORE USE

Test your baby monitor

You may test the baby monitor before initial use, and at regular times thereafter.

- Make sure your baby unit and parent unit are on.
- Speak towards the microphone of the baby unit. You will hear the sound at the parent unit, and see the visual sound indicators light up.

CAUTION

- For hearing protection, make sure the parent unit is more than 3 feet (1 meter) away from the baby unit. If you hear any high-pitched noise, move the parent unit further until the noise stops. You can also press **VOLUME** on the parent unit to lower or mute the noise.

NOTE

- This baby monitor is intended as an aid. It is not a substitute for proper adult supervision, and should not be used as such.
- When the parent unit displays **NOT LINKED** and flashes, move the parent unit closer to the baby unit (observe the minimum distance of 3 feet/1 meter). You can also check if the baby monitor is connected to a live power socket and switched on.

TIP

- Increase the speaker volume of the parent unit if you cannot hear the sounds transmitted from the baby unit.

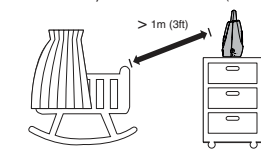
2 BEFORE USE (CONT'D)

Positioning the baby monitor

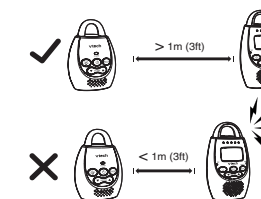
CAUTION

- Keep the baby units out of the reach of your baby. Never place or mount the baby units inside the baby's crib or playpen.

- Place the baby units more than 3 feet (1 meter) away from your baby.



- Place the parent unit more than 3 feet (1 meter) away from the baby unit to avoid screeching noise.



CAUTION

- The default volume of your parent unit is level 3. If you experience high-pitched screeching noise from your baby monitor while positioning:
 - Make sure your baby unit and parent unit are more than 3 feet (1 meter) apart, OR
 - Turn down the volume of your parent unit.

Operating range

The operating range of the baby monitor is up to 1,000 feet (300 meters) outdoors or 160 feet (50 meters) indoors. The actual operating range may vary depending on the environmental conditions, and other interferences such as walls, doors, and other obstructions.

3 USING THE BABY MONITOR

Power on or off the baby unit

- Press to power on the baby unit. The power light turns on.
- Press and hold to power off the baby unit. The power light turns off.

Power on or off the parent unit

- Press to power on the parent unit. The screen turns on.
- Press and hold again to power off the parent unit. The screen turns off.

NOTE

- The parent unit powers on automatically once it is connected to power socket or battery installed. The baby unit also powers on automatically once connected to power socket.

Adjust the speaker volume for baby unit

- Press **VOLUME** on the baby unit at any time.

NOTE

- The speaker of baby unit cannot be muted.

Adjust the speaker volume for parent unit

You can adjust the speaker volume from **VOLUME 1** to **VOLUME 5**, or turn it off. The speaker volume is preset to **VOLUME 3**.

- Press **VOLUME** when the parent unit is not in use.

When the speaker volume is set to **VOLUME OFF**, the screen displays .

Adjust the sound sensitivity of the baby unit

You can choose to hear sounds from the baby unit all the time, or to hear sounds that exceed a certain level. You can use the parent unit to adjust the microphone sensitivity of your baby unit. The higher the sensitivity level, the more sensitive the baby unit is in detecting sounds for transmitting to the parent unit. The VOX sensitivity level is preset to **HIGHEST**.

VOX SENSITIVITY LEVEL	HIGHEST	HIGH	MEDIUM	LOW	LOWEST
DESCRIPTION	The parent unit speaker is constantly on, and you will hear all sounds (including background noises) from your baby's room.	The parent unit speaker turns on for soft babbling and louder sounds from your baby. It remains quiet when your baby sleeps soundly.	The parent unit speaker turns on for loud babbling and louder sounds from your baby. It remains quiet when your baby makes soft sounds.	The parent unit speaker turns on for crying and louder sounds from your baby. It remains quiet when your baby makes soft sounds.	The parent unit speaker turns on for loud crying or screaming sounds from your baby. It remains quiet when your baby makes soft sounds.

- Press **MENU** when the parent unit is not in use.
- Press **SELECT** to select **VOX LEVEL**.
- Press or to choose the desired sensitivity level.
- Press **SELECT** to confirm your selection. The screen displays **SAVED** and you hear a confirmation tone.

NOTE

- To enter the **VOX LEVEL** menu of the parent unit, the baby unit must be turned on.

Sound alert

If you want the parent unit alerts you with sound, especially when the baby unit detects loud sounds, you can turn on the sound alert feature. This feature is preset to **OFF**. Once this feature is on, is shown on LCD display. When the visual sound indicator hits the red light range, i.e. the baby unit detects loud sounds, your parent unit beeps and flashes.

- Press **MENU** when the parent unit is not in use.
- Press or to choose **SOUND ALERT**, then press **SELECT**.
- Press or to choose **ON** or **OFF**.
- Press **SELECT** to confirm your selection. The screen displays **SAVED** and you hear a confirmation tone.

NOTE

- The sound alert setting on each parent unit is independent.

Vibration alert

You can set your parent unit to vibrate and alert you, whenever the baby unit detects loud sounds. This feature is preset to **OFF**.

Once this feature is on, is shown on LCD display. When the visual sound indicator hits the red light range, i.e. the baby unit detects loud sounds, your parent unit vibrates and flashes.

- Press **MENU** when the parent unit is not in use.
- Press or to choose **VIBE ALERT**, then press **SELECT**.
- Press or to choose **ON** or **OFF**.
- Press **SELECT** to confirm your selection. The screen displays **SAVED** and you hear a confirmation tone.

NOTES

- Each time you set the vibration alert to **ON**, the parent unit vibrates briefly after you press **SELECT**.
- The vibration alert setting on each parent unit is independent.

Nightlight

Both your parent unit(s) and baby unit allow you to turn on or off the nightlight on the baby unit.

Turn on/off the nightlight using the baby unit:

- Press to turn on the nightlight.
- Press again to turn off the nightlight.

Turn on/off the nightlight using the parent unit:

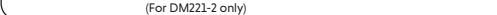
- Press **MENU** when the parent unit is not in use.

 BABY UNIT OVERVIEW

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☰ PARENT UNIT ICONS



LIMITED WARRANTY

Charges for installation or set up, adjustment of customer