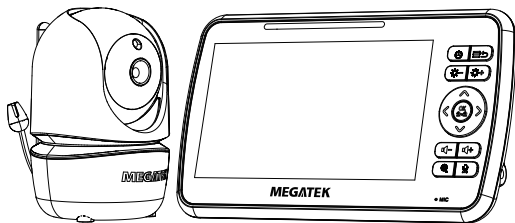


MEGATEK

Video Baby Monitor

VBM500



USER'S MANUAL

One (1) Year Replacement for Defective Product.

If you have questions or encounter any problems, we're here to help.

✉ support@megatekelec.com

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Important Safety Instructions

The applied nameplate is located at the bottom of the baby unit base. When in use, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury, including the following:

1. Follow all warnings and instructions marked on the product.
2. Adult setup is required.
3. **CAUTION:** Do not install the baby unit at a height above 6.5 feet (2 meters).
4. This product is intended as an aid. It is not a substitute for responsible and proper adult supervision and should not be used as such.
5. This product is not intended for use as a medical monitor.
6. Do not use this product near water, for example, near to a bath, sink, swimming pool or shower.
7. **CAUTION:** Use only the internal, non-user replaceable battery fitted to the parent unit. There may be a risk of explosion if a wrong type of battery is used for the parent unit. The battery cannot be subjected to high or low extreme temperature and low air pressure at high altitude during use, storage or transportation. Disposal of batteries in fire or a hot oven, mechanically crushing or cutting the battery can result in an explosion. Subjecting products or batteries to an extremely high temperature environment can result in explosion or leakage of flammable liquids, or gas. Products or batteries subjected to extremely low air pressures may result in explosion or leakage of flammable liquids, or gas. Dispose of used batteries according to the information in The RBRC seal.
8. Use only the power adapters supplied with this product. Incorrect power adapter polarity or voltage can seriously damage the product.
9. 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.

10. For pluggable equipment, the socket-outlet (power adapter) should be installed near the equipment and should be easily accessible.
11. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
12. Do not modify the power adapters or replace with other third-party adapters.
13. Do not allow anything to rest on the power cords. Do not install this product where the cords may be walked on or damaged.
14. The product should only be operated from a power source indicated on the power adapter label or marking. If you are unsure of the type of power supply in your home, consult your dealer or electricity supply provider.
15. Do not overload wall outlets or use an extension cord.
16. Do not place this product on an unstable table, shelf, stand or other unstable surfaces.
17. This product should not be placed in any area where proper ventilation is not provided. Any slots or openings in the back or bottom of this product are provided for ventilation. To protect from overheating, 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 source.
18. Never insert any objects through any apertures or slots in the product as this can be dangerous and cause damage to the battery or other internal parts. Never spill any liquids on the product.
19. To reduce the risk of electric shock, do not disassemble this product, but take it to an authorized service facility. Disassembling or removing parts of the product other than battery replacement via a battery door (if applicable) may expose dangerous voltages or other risks.
20. You should test the sound reception every time you turn on the units or move one of the components.

21. Periodically examine all components for damage.
22. There is a very low risk of privacy loss when using certain electronic devices, such as baby monitors, cordless tele- phones, etc. **To protect your privacy, periodically reset the baby monitor by turning both units off and then back on. If you do not plan to use the monitor for an extended period, turn it off completely.**
23. Children should be supervised to ensure that they do not play with the product.
24. The small parts of this monitor can be swallowed by babies or small children. Keep these parts out of reach of children.
25. 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

Cautions

- Use and store the product at a temperature between 32°F (0°C) and 104°F (40°C).
- Mishandling batteries can cause burn, fire or explosion hazards.
- Batteries should not be exposed to excessive heat such as bright sunshine or fire.
- Do not expose the product to extreme cold, heat or direct sunlight. Do not place the product close to a heating source.



- **Warning—Strangulation Hazard—Children have STRANGLED in cords.** Keep this cord out of the reach of children (more than 3 ft (0.9m) away). Do not re- move warning label on the adapter cord.



- Never place the baby unit(s) inside the baby's crib or play pen. Never cover the baby unit(s) or parent unit with anything such as a towel or a blanket.

Precautions for users of implanted cardiac pacemakers

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)

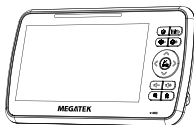
This Megatek product complies with all standards regarding electromagnetic fields (EMF). If handled properly and according to the instructions in this user's manual, the product is safe to be used based on scientific evidence available today.

Introduction

Congratulations on your purchase of the MEGATEK VBM500 Video Baby Monitor! With a 5.0" LCD screen and secure 2.4GHz digital wireless connection, it lets you see and hear your baby anytime. Features like two-way talk, VOX mode, temperature alerts, lullabies, and expandability up to four cameras make it a reliable companion for your baby's safety and your peace of mind.

What's in the Box

Check and identify the contents of your package:



Video Baby Monitor



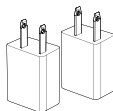
USB-C Power Cord



Camera



DC Power Cord



Power Adapter



User's Manual

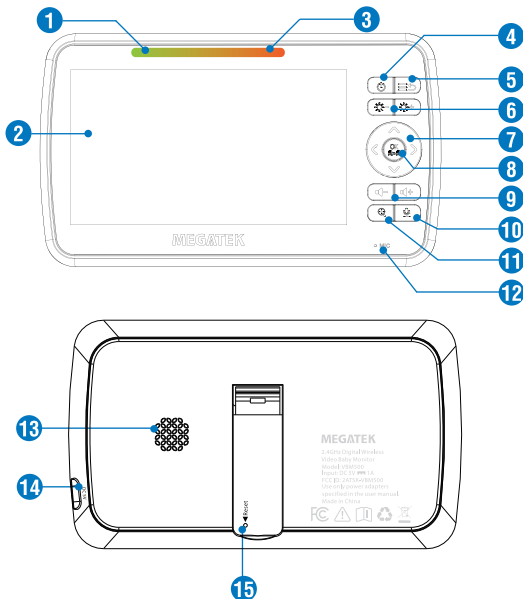


Screw



Anchor

Overview - Parent Unit



#	ITEM	DESCRIPTION
1	Power & Charging LED	• Red (solid): Charging, parent unit turned off. • Red & Green (alternating): Charging, parent unit turned on. • Green (solid): Fully charged.

2	LCD screen	• Live video: Displays real-time video from the baby unit. • Menu & settings: Shows the parent unit's menu page and settings.
3	Volume LED	• Sound detection: Lights up when the baby unit detects sound. • Volume level: More lights turn on as the detected sound gets louder.
4	 Power button	• Press: Turn the screen on or off (parent unit stays powered). • Press and hold: Power the parent unit on or off.
5	 Menu / Return button	• Menu function (live video mode): Press to open or close the menu. • Return function (menu mode): Press to go back to the previous menu without changing the current setting
6	 Brightness + / -	• Adjust screen brightness: Press to increase (+) or decrease (-) the brightness of the parent unit's LCD screen.
7	 Direction buttons	• Camera control (live video mode): Press to pan or tilt the baby unit. • Menu navigation (menu mode): Press to scroll through menu or sub-menu options.
8	 OK Confirm / Camera Switch button	• Camera switch function (live video mode): When more than one baby unit is paired, press to switch views between baby units or to enter Patrol mode. This function is not available if only one baby unit is paired. • Confirm function (menu mode): Press to confirm a menu entry or selection.

9	 Volume + / -	• Adjust speaker volume: Press to increase (+) or decrease (-) the parent unit's speaker volume.
10	 Talk button	• Press and hold: Speak into the parent unit; your voice will be transmitted to the baby unit. • Release: Stop talking and hear audio from the baby unit again.
11	 Zoom button	• Press: Zoom in or zoom out on the live video.
12	Microphone	• Capture audio: Picks up your voice when you speak into the parent unit.
13	Speaker	• Play audio: Outputs live audio received from the baby unit, as well as lullabies when selected on the parent unit.
14	DC 5V power jack	• Power input: Connect the supplied USB-C power cord to charge the parent unit or operate it on AC power.
15	Reset pinhole	• Force restart / restore defaults: Use a tool (such as a SIM ejector pin) to press the Reset pinhole and force the parent unit to restart and return to factory default settings.

Parent Unit Icons



--- Signal



--- Volume



x2 --- Zoom



--- Alarm



--- Brightness



--- Night vision



--- Lullaby



--- VOX



--- Talk to baby



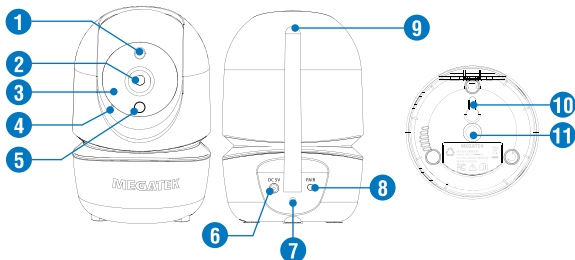
--- Camera



--- Battery

80°F --- Temperature

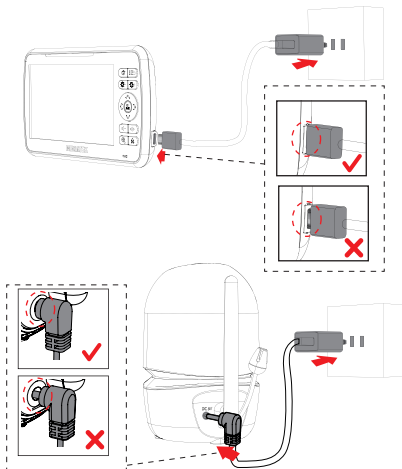
Overview - Baby Unit



#	ITEM	DESCRIPTION
1	Light sensor	• Detect ambient light: Automatically switches the baby unit between day (color) and night (infrared) mode.
2	Camera	• Capture video: Provides live video of your baby to the parent unit.
3	Infrared LEDs	• Night vision: Enable clear video monitoring in low-light or dark conditions.
4	Microphone	• Capture audio: Picks up your baby's sounds and transmits them to the parent unit.
5	Power LED	• Power status: Lights up when the baby unit is powered on.
6	DC 5V jack	• Power input: Connect the supplied power adapter to operate the baby unit.
7	Temperature sensor	• Monitor room temperature: Sends real-time temperature data to the parent unit.
8	Pair button	• Camera pairing: Press to pair the baby unit with the parent unit.
9	Antenna	• Signal transmission: Ensures stable wireless connection between the baby unit and the parent unit

10	Wall-mounting hole	• Wall installation: Use with a screw to mount the baby unit on a wall.
11	Bracket-mounting hole	• Bracket installation: Use with a compatible mounting bracket for flexible placement.

Connect the Baby Monitor



Notes

- The rechargeable battery in the parent unit is built-in.
- Use only the supplied power adapters.
- Do not connect the units to electronically controlled outlets (such as timed or switched sockets).
- Connect power adapters in a vertical or floor-mounted position only. Do not connect to ceiling, under-table, or cabinet outlets.
- Keep the parent unit, baby unit, and power cords out of reach of children.

Using Your Video Baby Monitor

1. Charge the Parent Unit Battery

When connected to power, the parent unit battery charges automatically.

Notes

- For first use, charge the parent unit for 12 hours.
- Charging takes longer when the parent unit is turned on. To shorten charging time, turn the unit off while charging.
- Battery life varies with VOX sensitivity, usage, and battery age.

The battery icon indicates the battery status (see the following table).

Battery Icon Indicators	Battery Status	Action
 Empty flashing icon	Low battery, only short time remaining.	Start charging immediately.
 Flashing battery icon	Charging in progress.	Keep connected to AC power during charging.
 Solid icon	Fully charged.	Keep connected to AC power for non-stop operation.

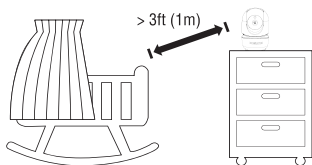
2. Power On or Off the Baby Monitor

- **Baby unit:** Connect to power to turn on; disconnect from power to turn off.
- **Parent unit:** Press and hold the  Power button to turn on or off.

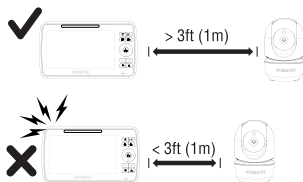


3. Position the Baby Monitor

- ① Place the baby unit at least 3 feet (1 meter) away from your baby for safety and better video quality.



- ② Place the baby unit and parent unit at least 3 feet (1 meter) apart to avoid feedback noise.



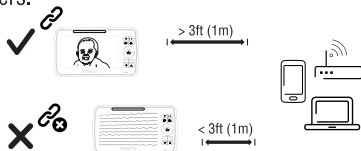
⚠ CAUTION

- The default volume of your parent unit is level 2, and the maximum volume is level 5. If you experience any feedback 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.



NOTE:

To reduce interference, keep the monitor at least 3 feet from devices such as Wi-Fi routers, microwaves, mobile phones, and computers.



4. Status Check

The parent unit and baby unit are pre-paired at the factory. When both are turned on, the parent unit will automatically display live video and play audio from the baby unit. If this does not occur, refer to **Camera Pairing on page 16**.



Basic Operation – Parent Unit

1. Turn Off / On the Screen

Press the  Power button to turn off the LCD screen without powering off the parent unit (you will still hear sound). Press any button to reactivate the screen.



2. Use the Menu

- **Press the  Menu/Return button:** Open the menu in live video mode.
- **Navigation:** Use the  Direction buttons to scroll through menu options.

- **Confirm:** Press the **OK** button to select an item or save a setting.
- **Return:** Press $\equiv \rightarrow$ button to go up one level without saving changes, or close the menu from the main page.



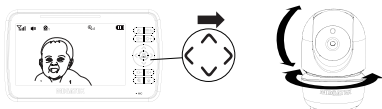
3. Adjust Screen Brightness

- **Press the Brightness $\odot + / -$ buttons:** Increase or decrease the LCD screen brightness.



4. Control Camera Pan & Tilt

- **Press the $\diamond$ Direction buttons (live video mode):** Pan or tilt the baby unit's camera.



5. Adjust Volume

- **Press the Volume $\blacksquare + / -$ buttons:**
Adjust the parent unit speaker volume.



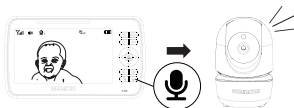
6. Zoom In / Out

- **Press the Zoom $\oplus$ button:**
Zoom in or zoom out the live video screen.



7. Talk to Your Baby

- **Press and hold the Talk**  **button:** Speak into the parent unit; your voice is transmitted to the baby unit.
- **Release the**  **button:** Stop talking and hear your baby again.



Menu Operation – Parent Unit

Camera Pairing

You can connect up to four **MEGATEK VBM500** baby units in total. Steps to pair a baby unit:

1. Open the menu and select  Camera.
2. Choose a vacant camera slot (1–4) with a grey background to start pairing on the parent unit. **“Pairing”** will display on the screen.



Note: A camera icon with a blue background means it is already connected with a camera.

3. Connect the unpaired baby unit to power — its Power LED flashes red, indicating pairing mode.
4. Press the **Pair** button on the baby unit.
5. Wait a few seconds until the live image appears on the parent unit and the Power LED turns off, confirming successful pairing.

Change Viewing Modes

Note: This feature is available only when more than one baby unit is paired and the parent unit is in live video mode.

Single CAM mode:

- Press the  Camera Switch button to switch views between paired baby units.

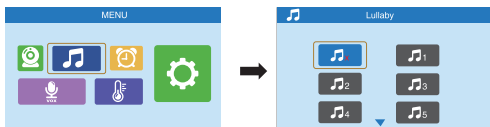
Patrol mode:

- Press the  Camera Switch button repeatedly until Patrol mode is activated.
- In Patrol mode, the parent unit automatically cycles through the video from all paired baby units every 10 seconds.
- Press again to exit Patrol mode and return to single camera view.

Lullaby Playback

The baby unit can play soothing lullabies to help your baby fall asleep.

1. Open the menu and select  Lullaby.
2. Choose one of the following options:
 - **Play one lullaby:** Select a song  and press **OK** button. The baby unit will repeat the selected lullaby continuously.
 - **Play all lullabies:** Select All  to play all songs in sequence, repeated continuously.
 - **Stop lullaby:** Select Off .

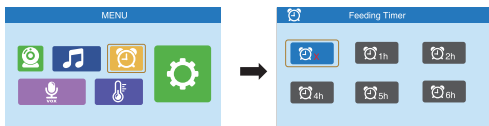


Note: The selected lullaby(ies) will be played through both the baby unit and the parent unit. However, adjusting the volume only affects playback on the parent unit.

Feeding Timer

The parent unit can remind you of feeding, diaper changes, naps, or other routines.

1. Open the menu and select Feeding Timer .
2. Choose a preset alert time:  1h, 2h, 4h, 5h, or 6h, or select Off  to disable the timer.
3. Press **OK** to save.



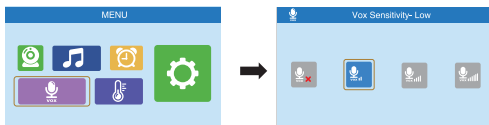
Vox Sensitivity

VOX (Voice Operated Exchange) lets the parent unit screen turn on automatically when the baby unit detects sound above a set level. If sounds drop below that level, the screen turns off after 30 seconds.

The voice sensitivity level is preset to Off.

Operation Steps

1. Open the menu and select VOX .
2. Scroll through the available options:
 - **High** – Screen turns on for soft babbling or louder sounds.
 - **Mid** – Screen turns on for louder babbling or crying.
 - **Low** – Screen turns on only for crying or louder sounds.
 - **Off** – Screen stays on continuously.
3. Press **OK** button to save your selection.



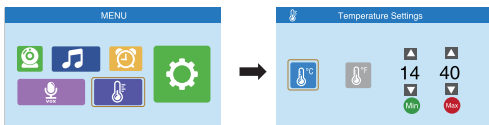
Note: If the parent unit reacts too quickly to background sounds, lower the VOX sensitivity level. **See FAQ Q8 for details.**

Temperature Settings

- The baby unit monitors room temperature and sends the reading to the parent unit in Celsius (°C) or Fahrenheit (°F).
- If the temperature goes outside the set range, the parent unit beeps and the display turns red.

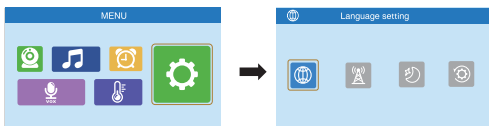
Steps:

1. Open the menu and select Temperature .
2. Choose the temperature unit: °C or °F.
3. Select  Min to set the minimum temperature limit.
4. Select  Max to set the maximum temperature limit.
5. Press **OK** to save.



Language Setting

1. Press  to open the menu.
2. Select  and press **OK** to enter the sub-menu.
3. Select the Language Setting  and press **OK** to enter the sub-menu.
4. Scroll through the available options. Press **OK** to save.



Frequency Setting

- Adjust the display refresh rate to match your region's power standard and reduce screen flicker. The factory default is 60Hz.

Steps:

1. Press  to open the menu.

2. Select  and press **OK** to enter the sub-menu.
3. Select the Frequency Setting  and press **OK** to enter the sub-menu.
4. Choose **60Hz** if you are in North America, or **50Hz** if you are in Europe.
5. Press **OK** to save.

Night Vision Setting

The baby unit automatically switches to infrared night vision in low light, displaying video in black and white. The parent unit includes a setting for near or far distance, but changing this setting is not recommended — the default works best in most situations.

Notes:

- A brief clicking sound is normal — it's the infrared filter switching between day and night mode.
- The infrared cut-off filter improves daytime color accuracy and enhances night vision clarity.

TIP: Image quality may vary depending on surroundings and interfering factors such as lighting, objects, colors, and backgrounds. For a clearer picture, adjust the baby unit's angle or place it at a higher location to reduce glare and blur.

Cross-reference: For troubleshooting image quality or glare, **see FAQ Q5**.

Reset

1. Press  to open menu.
2. Select  and press **OK** to enter the sub-menu.
3. Select Reset  and press **OK** to restore defaults.

Note: Resetting will erase all customized settings and restore the unit to its original factory state.

Mount the Baby Unit (Optional)

You can mount the baby unit on a wall for better viewing angles.

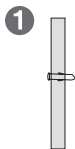
What you need (included):

1 × Screw (1 inch)

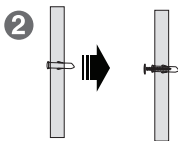
1 × Anchor (1 inch length, 7/32 inch width)

Steps:

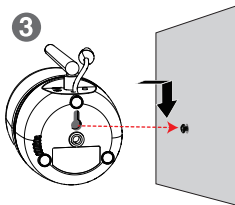
1. Drill a hole in the wall using a 7/32 inch drill bit. Insert the wall anchor into the hole and tap gently with a hammer until flush with the wall.



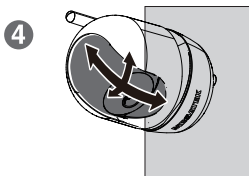
2. Insert the screw into the anchor, leaving about 1/4 inch (6.5 mm) exposed.



3. Align the wall-mount hole on the baby unit with the screw and slide the unit down until it locks into place.



4. Adjust the camera angle as needed.



Frequently Asked Questions (FAQ)

Q1: Why can't the parent unit establish or maintain a connection with the baby unit?

- The parent unit and baby unit may not be paired. Disconnect power from both units, wait a few seconds, then reconnect.
- Turn both units back on and allow up to one minute for synchronization.
- Move the parent unit closer to the baby unit (but not closer than 3 ft / 1 m).
- Reduce interference by keeping the monitor away from Wi-Fi routers, mobile phones, and other electronics.
- If still not connected, re-pair the camera (**see Camera Pairing, page 16**).

Q2: Why don't the power indicators light up when I switch the units on?

- Ensure the parent unit is connected to power and press and hold the Power button to turn it on.
- Ensure the baby unit is connected to power; it will automatically turn on when plugged in.

Q3: Why doesn't my parent unit charge when connected to AC power?

- Make sure the outlet is not electronically controlled (e.g., a timer switch).
- Try a different working outlet.
- Try a different compatible power cable or adapter, if available.

Q4: Why is my screen black and white?

- The screen switches to black and white in low light when night vision is active. This is normal.

Q5: Why is the image blurry or showing glare at night?

- Adjust the baby unit's angle or place it higher to reduce glare and blur (see Night Vision Setting).

- Make sure no objects (such as crib bars, walls, or curtains) are directly in front of the camera, as these may reflect infrared light.
- Check and gently clean the camera lens to remove dust or smudges.
- Place the baby unit at a reasonable distance from the crib or wall to avoid strong reflections.

Q6: Why does the baby monitor produce feedback noise?

- The parent unit and baby unit may be too close together.
- Move them farther apart (at least 3 ft / 1 m).
- Or turn down the parent unit volume.

Q7: Why does the parent unit beep?

- The baby unit may be out of range — move the parent unit closer (but not closer than 3 ft / 1 m).
- The parent unit battery may be low — start charging immediately.
- The baby's room temperature is outside the set range.

Q8: Why does the parent unit react too quickly to sounds?

- The baby unit also picks up other background sounds.
- Lower the VOX sensitivity level or reduce the parent unit volume.

Q9: Why don't I hear my baby?

- The parent unit speaker volume may be too low. Increase the volume.
- The baby unit may be out of range — move the units closer together.
- Other wireless devices may cause interference — try placing the monitor away from Wi-Fi routers, mobile phones, or microwaves.

Q10: Why doesn't changing the volume affect the lullaby sound from the baby unit?

- The selected lullaby(ies) are played through both the baby unit and the parent unit.
- Adjusting the volume only changes the sound level on the parent unit. The baby unit always plays at a fixed volume.

Specifications

Transmission	2.4GHz FHSS (Frequency-Hopping Spread Spectrum)
Operation Environment	Indoor use only; Temperature: 0–40°C; Humidity: 5%–90% RH
Operating Range	Up to 900 ft (straight line, open space)
Power adapter	• Input: 100–240V AC, 50/60Hz • Output: 5V, 1A
Parent Unit Display	5.0" 16:9 LCD Screen, 480 × 272 resolution
Parent Unit Battery	• Model: 755060 • Type: Rechargeable Li-ion, 3.7V, 3000mAh
Operating Time (fully charged)	Up to 16 hours (VOX on)
Image Sensor	1/6.5" color CMOS

Legal Notices

FCC Statement

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.

FCC Caution

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed 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, maybe 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.

12 Months Warranty

Thank you for choosing MEGATEK.

We warrant your product to be free from defects in materials and workmanship for **12 months** from the date of receipt. This warranty is in addition to your rights under Amazon's return and refund policies.

- If your product becomes defective within the warranty period, MEGATEK will provide a brand-new replacement (where possible).
- MEGATEK will cover the reasonable expenses of claiming the warranty.
- This warranty does not apply to defects caused by alteration, accident, misuse, abuse, or neglect.

For warranty claims or product support, please contact us with your Amazon order ID and a description of the problem:

Email: **support@megatekelec.com**

Amazon Buyer-Seller Messaging: Go to **Your Orders**, find your order, and click **Ask Product Question**.

Need Help?

If you have questions or encounter any problems, we're here to help.

✉ support@megatekelec.com