



Powerology 4.3" HD LCD
Display + VGA Camera Baby Monitor
SKU: PWBMCWH

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Product Highlights

- 1 . Sound Indicator:** The parent unit displays the icon that indicate the baby's room sound level, allowing you to visually track the noise with the option to keep the unit silent.
- 2 . Two-way talk intercom:** The soothing sound of your voice can be just what your baby needs, easily provided with the two-way intercom feature.
- 3 . Rechargeable Batteries:** The parent unit is equipped with rechargeable batteries for convenience and sustainability.
- 4 . Extended Range:** The parent unit boasts an impressive range of up to 984 feet outdoors or 164 feet indoors, ensuring you stay connected to your baby from various distances.
- 5 . Vibrating Sound-Alert:** The parent unit includes a vibrating alert feature, offering a discreet and peaceful notification when sound is detected in your baby's room.

Prior to installing and utilizing the product, it is imperative to thoroughly review this User Manual to ensure proper use and to retain it for future reference. The contents of this manual are subject to alteration without previous notification. Should the package contents diverge from the descriptions provided herein, please contact us.

Operation Instructions

We appreciate your purchase of our products. This manual provides detailed information and methods for the monitor's use.

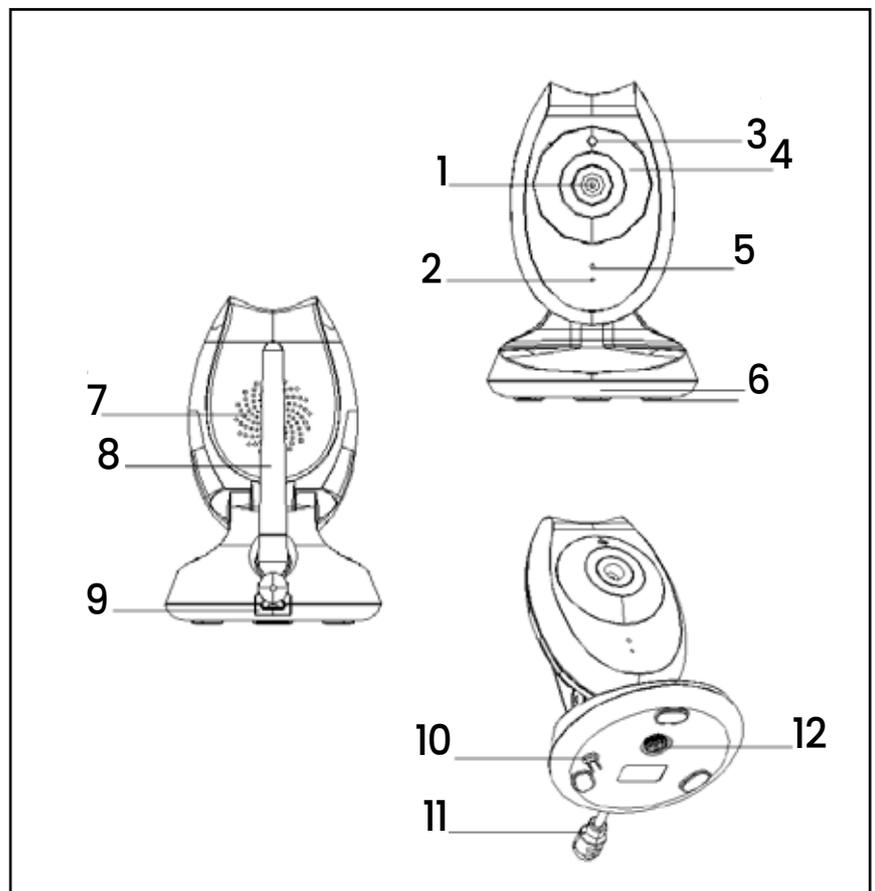
Safety Instructions

- 1 . This baby monitor is designed to complement adult supervision, not replace it.
- 2 . Position the device out of the reach of the baby and at a minimum distance of 1.5 meters to ensure a safe environment.
- 3 . Keep DC power sources inaccessible to the child to prevent entanglement or safety hazards.
- 4 . This product is not intended for use as a toy. Children should not play with the device.
- 5 . Employ only the specified power adapter with 5V/1A output.

Schematic View

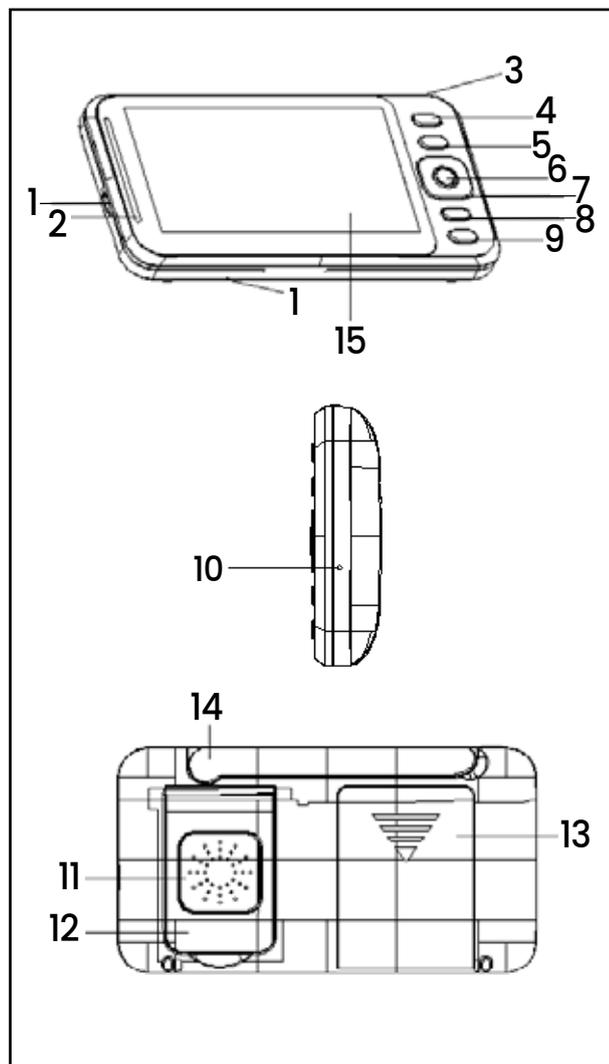
1. Camera

- 1 . Camera
- 2 . Power Indicator
- 3 . IR Sensor
- 4 . IR Indicator
- 5 . Microphone
- 6 . Mat
- 7 . Speaker
- 8 . Antenna
- 9 . DC Power Input
10. Pair Code Key
- 11 . Temperature Sensor
12. Bracket



2. Display

- 1 . Power Input
- 2 . Power Indicator, Voice/Volume Lamp
- 3 . Boot Key
- 4 . Camera Switching Key
- 5 . Menu/Return Key
- 6 . OK Key
- 7 . Directional Keys
- 8 . Music Key
- 9 . Intercom Key
10. Reset Key
- 11 . Speaker
12. Bracket
13. Battery Cover
14. Antenna
15. LCD



Button Introduction

1 . **Power On/Off Key:** Press and hold to switch the device on or off. Press briefly post-boot to turn off the screen.

2 . **OK Key:** Executes menu commands.

3 . **Pair Code Key:** Activates the camera pairing process and navigates menu pop-ups, as well as returning to previous menu levels.

4 . **Menu/Return Key:** Opens the menu and returns to the previous menu level.

5 . Up Key: Scrolls through menu options upwards and increases screen brightness with a long press.

6 . Down Key: Scrolls through menu options downwards and decreases screen brightness with a long press.

7 . Left Key: Navigates left in the menu and decreases volume with a long press.

8 . Right Key: Navigates right in the menu and increases volume with a long press.

9 . Intercom Key: In the monitoring screen, a long press activates the intercom function.

10. Camera Switching Key: Toggles camera views, locks onto a single camera, or cycles through multiple cameras.

11 . Music Key: Turns the music in the monitoring screen on or off with a quick press and changes tracks with a short press when music is playing.

12. Reset Key: Pressing and holding during boot-up is ineffective. To reset, press lightly and then press the power key to start normally.

Camera Features

1 . This device operates with a DC adapter at an output of 5V/1A.

2 . Switch on the device, and the blue LED indicator will light up to show that the device is active and operational.

Note: Use only the provided power adapter.

3 . Night Vision: The unit is equipped with 10 infrared lights for enhanced night visibility, ensuring a clear image in low-light conditions.

4 . IR Light Control: In working mode, the device can automatically adjust the infrared light according to the ambient lighting conditions, enhancing the camera feed in dark environments for optimal image quality.

5 . Install this device within a baby monitoring range, aiming it at the desired area for observation. Ensure it is positioned out of the baby's reach to prevent potential entanglement or suffocation risks.

6 . Troubleshooting: If image or sound quality is compromised, reposition the device for better reception.

7 . Initial Setup: The device must be successfully paired before first use. For detailed instructions on pairing, refer to the camera addition section in the manual.

LCD Display Features

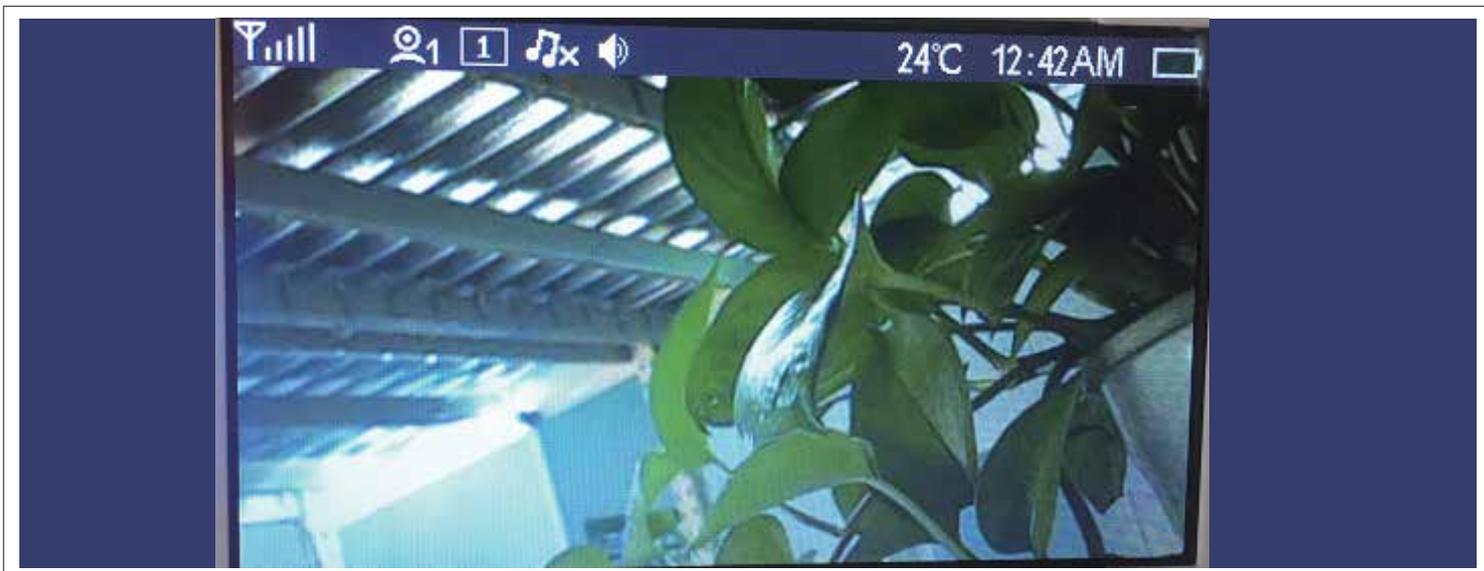
1 . This device operates on a 3.7V lithium battery or can be powered by a DC adapter with a 5V/1A output. The power adapter can also be utilized for recharging when the lithium battery's charge is depleted.

Note: Only the power adapter provided should be used.

2 . To turn on the device, press and hold the boot key; this will lead you to the initial system screen.

3 . The device is capable of monitoring through two cameras simultaneously.

4 . An illustration of the monitor screen icon is displayed in the subsequent figure.



4.1 Signal strength icons 

4.2 Camera icon : Use the switch key to toggle. The number 1 indicates the first camera, and the number 2 indicates the second camera.

4.3 Locking a single camera monitoring icon : Press the switch key to change between monitoring modes. When shifting to circular monitoring, the icon will change to  indicating that circular mode is activated.

4.4 Music Icon : The device contains a total of eight music tracks. Users can select tracks 8-1 to play in a loop, or select 9 to play all tracks in sequence.

4.5 Speaker Icon : Indicates volume control.

4.6 Temperature Icon : Displays the temperature in the baby's room, with the option to switch between Fahrenheit and Celsius in the menu.

4.7 Time Icon **12:42 AM** : Displays time with AM/PM indicators (AM denotes morning, PM denotes afternoon).

4.8 Battery Icon  : Shows the battery level.

Menu Option

The menu options are detailed as follow.



Press the Menu/Return key to access the pop-up menu, which comprises six items:

1 . Breastfeeding Reminder Setting 

2 . Music Selection Setting 

3 . Time Setting 

4 . Temperature Setting 

5 . Camera Setting 

6 . Voice Control Setting 

Navigate the menu using the right or left directional keys to move the cursor. Use the up and down keys to make your selection, then press the OK key to confirm. To exit the setup menu, press the Menu/Return key.

1. Breastfeeding Reminder Setting

Access the feeding reminder settings, where you can choose from five alarms, as illustrated in the subsequent figure.

To adjust the breastfeeding reminder settings, use the up and down keys to navigate, then press the OK key to confirm your selection.

The user can set five time periods for the alarm clock or disable the reminder option (This is the default setting).



2. Music Selection Setting

Navigate to the music settings menu, which offers ten sub-options as illustrated. Utilize the up and down keys for selection, then confirm with the OK key. The music settings provide ten sub-options: off, loop, and eight music tracks. The default is set to OFF.



3. Time Setting

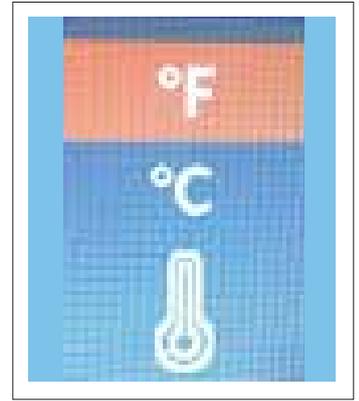
To set the time, select the time setting option. Use the up and down keys to adjust the values, and press the OK key to shift the cursor.

Configure the hours, minutes, and seconds sequentially, as well as AM or PM, and then press the OK key to confirm the changes.



4. Temperature Setting

Access the temperature setting to choose between Celsius and Fahrenheit. Use the up and down keys to toggle your preference and press the OK key to confirm. The default setting is Fahrenheit.



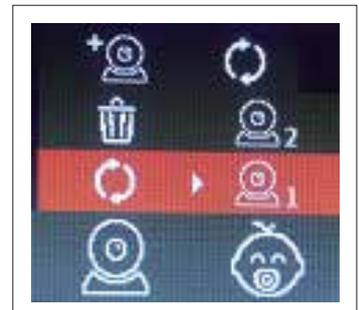
5. Camera Setting

In the camera setting menu, you'll find three sub-options: Loop, Delete, and Add. Navigate through options using the up and down keys.



5.1 Loop

To access the loop settings, press the OK key. The three sub-options will be displayed as follows. Use the up and down keys to make a selection and press the OK key to confirm. Choosing 'Camera 1' locks camera 1 onto the monitor screen.



Selecting 'Camera 2' similarly locks camera 2 onto the screen. Opting for the 'Loop' item means both camera 1 and camera 2 will alternate on the alternate on the monitor through cycle switching.

5.2 Add

Choose 'Add' icon and press the OK key to proceed. The two sub-options will be presented as illustrated in the following figure. Utilize the up and down keys for selection and press the OK key to confirm. At this point, the power indicator should begin to flash.



Simultaneously, press the 'Pair Code key' on the camera. When the power indicator on the camera flashes, indicating the pairing process, wait a few moments for the pairing to complete successfully. Upon successful pairing, an illustration will be displayed as shown in the subsequent figure. Upon successful pairing, the ' * ' icon will display at the top of the camera icon. The camera is ready for use after a successful pairing. If the camera goes out of range and loses connection, it will automatically reconnect when it re-enters the range.



Note: The camera is pre-paired at the factory, so there is no need to pair it again unless the connection is lost.

5.3 Delete

When you select the 'Delete' option, press the OK key to bring up two sub-options, as will be detailed in the following figure.

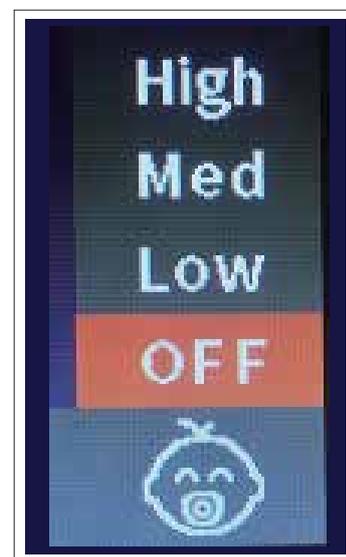
Navigate using the up and down keys and confirm your selection with the OK key. Selecting 'Delete' allows you to remove a camera that has been successfully paired. A successful deletion is indicated by the disappearance of the ' * ' icon at the top of the camera view.



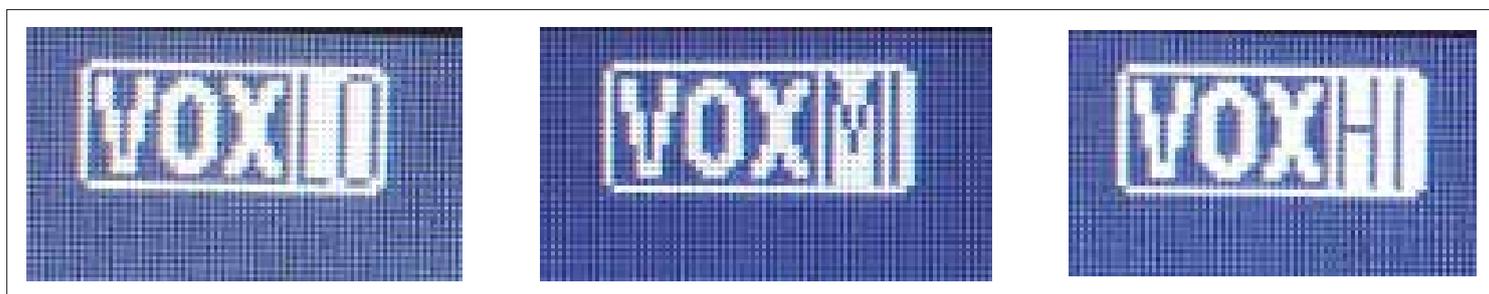
6. Voice Control Setting

Access the voice control settings as depicted in the figure.

Use the up and down keys to navigate the voice control setting, pressing OK to toggle between 'Off', 'Low', 'Medium', and 'High'. Confirm your selection with the OK key. The default setting is OFF.



Note: When 'Low', 'Medium', or 'High' is selected, a corresponding icon will display at the top of the monitoring screen, as shown in the following figure.



Important Note on Voice Control Sensitivity:

During live monitoring mode, if the environmental noise level detected by the transmitting camera falls below a certain threshold, the receiver (LCD) unit will automatically turn off its screen and sound. Conversely, if the noise level exceeds a specific higher threshold, the display reactivates.

Specifications

Model	PWBMCWH
Split Screen Feature	Supported
LCD	4.35" (272×480)
CMOS	0.3M sensor
Lens Size	14mm2G2P
Antenna	External
Speaker	Built-in 8R1W
Microphone	Built-in- 42db
VOX	Supported
Screen Saver Feature	Supported (According to user's desired time setting)
Intercom	Supported (Two-way intercom)
Alarm Clock	Supported
Ring	Supported
IR Light	940 infrared LED ×10pcs
Battery	1500 mAh

Power Supply	Type-C USB
Indicator Light	Supported

Installation Guide

1. Place the camera on a level surface at an appropriate height to monitor the baby and adjust the camera's angle for optimal viewing.
2. Securely fix the camera using the brackets at the desired angle.

Maintenance

1. Maintaining a clean lens is crucial for the best possible monitoring clarity. Carefully remove fingerprints and dust from both the lens and LCD screen using a soft, lint-free cloth.
2. To prevent the risk of electric shock, do not attempt to open or repair the device yourself.
3. Always keep the device dry; exposure to wet conditions could lead to malfunctions.

Warranty

Products that you buy directly from our **Powerology** website or shop come with a 24-month warranty. The 24 months warranty applies to products purchased directly from our **Powerology** website or store. If **Powerology** products are bought from any of our verified retailers, then the product is eligible for only 12 months warranty. To extend your product's warranty, visit our website **powerology.me/warranty** and fill your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for 24 months of warranty period.

For more info, please check:

powerology.me/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at: **hey@powerology.me**

Website: **powerology.me**

Instagram: **powerology_official**

Facebook: **powerology.ME**