

Baby Monitor

ABM100 User Manual



Note: 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, 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.

Important: Change or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

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.

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Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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RF Exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20cm between the radiator & your body.

This user's manual can help you have a thorough understanding of this product, and solve any problem that customers may encounter in using our products. Please read carefully for the user guide before using the device.

Safety Instructions

Warning

DANGER – Strangulation Hazard – Children have STRANGLED in cords.

Keep the baby camera unit and power cable out of the reach of children more than 3 feet or 1 meter away.

Do not place the camera or power cable in a child's cot/crib.

Camera settings and usage

- Fix the camera in a place where can be observed well of children/babies.
- Place the camera on a flat surface such as a dressing table, writing desk or shelf.

This baby monitor meets all relevant standards related to electromagnetic fields and is safe to use when operating in accordance with the instructions of the user guide. Therefore, please read the user guide carefully before using the device.

- Must be assembled by an adult.
- This baby monitor can not be use instead of adult guardianship.
- Keep this user guide in a safe place for future reference.
- Do not cover the baby monitor with a towel or blanket.
- Do not use the baby monitor near water.
- Do not install the baby monitor near a heat source.
- Do not touch the plug with a sharp or metal object.

Important notes for installing a baby monitor

- When using your baby device and parent unit, you must be able to establish a radio communication between them. The communication distance between the two devices is affected by environmental conditions.
- Any large metal objects between two devices may block radio signals. Such as refrigerators, metal doors or reinforced concrete.
- The strength of the signal may be attenuated by other solid buildings (such as walls), radios or electrical equipment (such as televisions, computers).
- If the signal is weak, try moving the device to a different location indoors.
- Do not place the parent unit and the camera in a range of 1.5 meters, otherwise it will cause howling.
- Our parent unit comes with a protective cover for the monitor.



Package Included:

- 1 x Baby Camera
- 1 x Parent Unit
- 1 x User Manual
- 2 x Charging Cables



Please use a DC 5V adapter.

This product has no PTZ function

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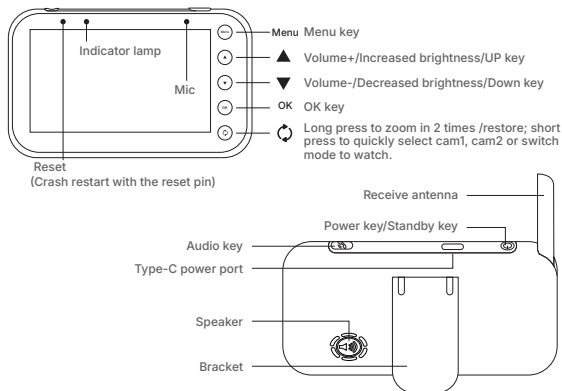
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 Made in China

1. Product Overview

1.1 Parent Display Console Overview



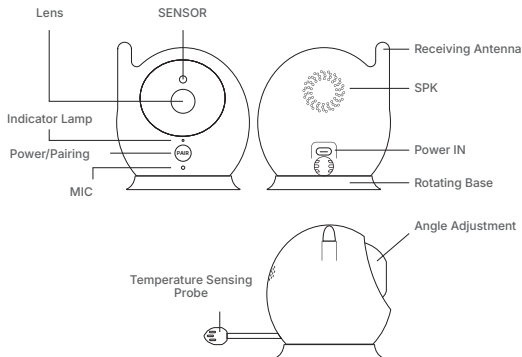
1.2 Parent Unit Status Bar Icon

	SIGNAL LEVEL (5 LEVELS)
	NO SIGNAL
	CAMERA 1
	CAMERA 2 (CUSTOMIZED)
	CAMERA IMAGE ZOOM IN 2 TIMES
	CAMERA SWITCH
	LULLABY TURN ON /OFF
	VOLUME SETTING (6 LEVELS CAN BE SET)
	TWO-WAY TALKBACK
	NIGHT VISION MODE
	CRYING DETECTION (HIGH,MID,LOW)
	BABY ROOM TEMPERATURE DISPLAY
	SYSTEM TIME
	BATTERY POWER

1.3 Parent Unit Menu Icon



	Volume setting (6 levels)	
	Feeding Reminder Time Setting (Can Set 5 Alarms)	OFF 0:30 1:00 2:00 3:00 4:00
	Lullaby Selection (8 Lullabies)	OFF
	System Time Setting	00:00:00
	Temperature Setting (°C / °F / Temperature alarm on and off)	°C °F
	Camera Selection (add/delete/switch)	
VOX	VOX Sound Detection Setting	HIGH MID LOW OFF
	LCD Brightness (6 levels)	
	Camera Zoom In/Out	

1.4 Baby Camera Overview
















2. Getting Started

2.1 How to Switch on the Devices

- (1) The baby monitor comes with two charging cables: one for connecting the camera and the other for charging the parent monitor.
- (2) Once the camera is plugged in, it will automatically turn on and the blue indicator will be on (the night mode will automatically turn off).
- (3) If the camera is not switched on automatically, press the power switch key  to turn on.
- (4) Press and hold the power switch key  for 3 seconds to switch on/off the parent unit.

2.2 Pairing



Once the baby camera and parent monitor are both switched on, they will be paired automatically. If not, follow the steps below:

Pairing code: open the handheld display and press  button to turn on the menu. Press  or  to select the  and press  to confirm. In the pop-up bar, continue to press  to select the  and press  to confirm, and then press  or  to choose  or  for pairing. At this time, the red light in the upper left corner of the display will flash, meanwhile there would be a reminding note on the screen (Keep pressing the button of the camera for three seconds to pair) to show the pairing operation of the camera. When the camera is turned on, long press the power button  on the camera, then the blue light flashes quickly, release the button, it will enter the pairing mode, and then pairing is successful, the light of camera and display will stop flashing. The display will show the image of the pairing camera. If there is no connection for 30 seconds, the pairing mode will be automatically exited.

(Note: one camera just can be connected to one display, but one display can be connected to two cameras at the same time.)

2.3 Watching the Image of Camera

When both the camera and the parent unit display are normally turned on, the parent unit should display the image from the camera (If the display is not displayed properly, please check the pairing condition.)


- (1) If the pairing is not successful, please refer to the pairing instructions.
- (2) You can press  key to return to the main menu and select the camera you want to view in the camera add bar.
- (3)  key can zoom the picture in 2 times.

3. Camera Using

3.1 Installation




- (1) Place the camera in a convenient position so that it can aimed at the area you want to monitor.
- (2) Adjust the angle of the baby device by turning the camera up, down, left or right until a satisfactory image is obtained on the parent unit device.

3.2 Night Vision Mode









The camera equipped with 1 high-intensity infrared LED lights that capture clear images in the dark. When the built-in optical sensor detects that the ambient light is weak, the infrared LED will automatically light up, the screen of the handheld device will be show on black and white color, and the  icon will be displayed in the status bar at the top of the screen.



4. Parent Unit Menu

4.1 Two-Way Talkback










When the parent unit display needs to enter the intercom mode, you need to press  key and hold the key, then you can start the conversation. Release the  key when the speech is finished. After released  key of the display, the system will automatically exit the camera intercom mode.

4.2 Volume Adjustment

Press the key  to enter the main menu. Press the key  or  to choose , and press . The mark  appear. Press the key  or  to adjust the volume. It has 6 levels.













Press the  or  button in the display mode to increase or decrease the camera's transmission volume. The volume has 6 levels, and you can select the appropriate volume from the volume level of 1-6.

4.3 Feeding Reminder (Alarm Clock)










- (1) Press  button, it will pop up the menu bar.
- (2) Press the  or  button until  is highlighted, and click  to confirm.
- (3) Press the  button or  button to select the alarm time for the feeding reminder (0.5h, 1h, 2h, 3h, 4h). Select  to turn off the feeding reminder. To return to the previous step, press the  key.

If the alarm time is selected, the parent unit will beep every 0.5 hours, 1 hour, 2hours, 3 hours, 4 hours, and the flashing tag of the feeding reminder will be displayed.













4.4 Lullaby







- (1) Press  button, it will pop up the menu bar.
- (2) Press the  or  button until  is highlighted, and click  to confirm.
- (3) In the pop-up menu bar, press the  button or  button to select the lullaby you want in the 8 lullabies. Click  to confirm. To play all the music in a loop, select the  icon and press the  key to confirm. Select  to turn off the lullaby. Press the  key to return to the previous step.

4.5 System Time Setting

- (1) Press  button, it will pop up the menu bar.
- (2) Press the  or  button until  is highlighted, and click  to confirm.
- (3) Press the  button or  button in the pop-up menu to adjust the clock, minute, second. Press the  button when you complete the time setting and go to the next step. Press the  button to return to the previous step.

4.6 Temperature Display



- (1) Press the key  to enter the main menu.
- (2) Press the key  or  to , and press the key  to confirm.
- (3) In the pop-up menu bar, press the key  or  button to select   , and press the key  to confirm. Press the key  to return to the previous step.

(4) Select  and press the key  in the pop-up bar menu, press the key  select  <23> <26>. Press the key  or  to set the temperature alarm and temperature value to be warned (°C setting range 28°C~37°C, °F setting range 82°F~98°F). If the current ambient temperature is higher than the set warning temperature, the system automatically prompts a high temperature warning.

Do the same to set the low warning temperature (°C setting range 0°C~26°C, °F setting range 32°F~78°F).

If the current ambient temperature is lower than the warning temperature, the system automatically prompts a low temperature warning.

(5) The screen status bar will show the temperature from the temperature sensor at the back of the camera.




If the temperature is higher than the high warning temperature, the temperature reading will become red, and the red mark  will appear on the screen. If the temperature is lower than the low warning temperature, the temperature reading will become blue, and the blue mark  will appear. Meanwhile, above or below the set temperature will emit Beep alarm sound,




and press any key to cancel Beep sound. If the temperature is not restored to the set temperature range, the Beep alarm sound will still be emitted 30 seconds later.

4.7 Camera Display Selection

(1) Press  button, it will pop up the menu bar.

(2) Press the  button or the  button, to select  camera1,  camera2 or  switch and press the  button to confirm viewing.

(3) The display can be switched to view different lenses at the same time, you can switched the lenses between  and  in  mode.

(4) You also can press the  button to quickly select , , or  switch mode to watch.

4.8 VOX Setting


VOX detection: Turn on the VOX mode, after 30 seconds, the screen will turn off.


When the ambient volume of the baby is louder than the set value, the display will light up the display.

(1) Press  button, it will pop up the menu bar.



(2) Press the  button until  is highlighted, and click  to confirm.

(4) Select    modes to turn on VOX, or select  to turn off VOX.



(5) In the VOX off mode, short press the  button, you can quickly enter the VOX mode (The quick access VOX mode will only turn off the display, but will retain the camera's music transmission)

Note: When the VOX is turned off, press the  power button and the display screen will turn off. You can hear the sound from the camera at any time. This mode is suitable for the baby to play when the adult needs to leave for a while. When the VOX mode is turned on, the screen and sound will turn off after 30 seconds. When the ambient sound of the camera is louder than the set value, the display screen will light up and the speaker will make a sound. This mode is suitable for use at night.





4.9 Display Brightness Adjustment

Press the key **M** to enter the main menu. Press the key **▲** or **▼** to choose , and press **OK**. The mark  will appear. Press the key **▲** or **▼** to adjust the display brightness. It has 6 levels.

5. Low Battery Warning

The mark  shows the current power level. The mark  is lower power level, and will prompt LOW BATTERY. After the 5 consecutive beep sound, the beep sound will disappear, and only keep reminding LOW BATTERY.

6. Signal

(1) Signal mark  If there is a large signal tower base station or high power signal interference equipment in the current environment, it may cause interference to the product, and the mark  appears. When the signal has been disconnected for 5 seconds, the mark  will appear and flashes, and the monitor will make beep sound for 5 times. After the 5 times of beep sound, the monitor will only leave the mark  flashing. Now the monitor is disconnected with the camera.

7. Cleaning and Maintenance

1. Clean the device with a slightly damp cloth or an antistatic wipe.
2. Never use detergents or abrasive solvents.
3. Do not expose the product to high temperatures, humidity, or strong sunlight, and do not get it wet.

8. FAQ & Troubleshooting

1. Q: Why is the distance in the room not far enough?

- A: a. Check if the receiving antenna of the parent unit terminal is turned on;
b. Due to different wall materials of different houses, the blocking of 2.4G signals is different. When the signal is not satisfied, the position can be adjusted.

2. Q: Why there is always some noise in the background?

- A: It is impossible to eliminate all the noise. This kind of howling has always been a problem in the audio field. Please keep your receiver and camera separate in 1.5 meters away or more.

Tip: The microphone of the receiver and camera cannot be the opposite. That is the reason why some users get confused when they operate the devices and always get noise in the background. This phenomenon is an uncontrollable factor.

3. Q: Why the temperature not precision showing on the screen?

- A: a. There is a difference in indoor air circulation.
b. The temperature sensor just placed in a new environment, and there will be a deviation within two hours.

9. Specifications

Technical Parameter			
Model	ABM100	Display	4.3-Inch
Camera Sensor	1/4 CMOS	Camera	1280*720P
View Angle	45 Degree	Transmission Method	2.4GHz
Display Battery Capacity	2000 mAh	Temperature Alarm	Support
Display Power Dissipation	1.6W	Crying Alarm	Support
CAM Power Dissipation	1.5W	Lullabies	Support
Operating Temperature	-20°C~+65°C	Feeding Alarm	Support
Material	ABS	Display Dimensions	130*85*21mm (LWT)
Night Vision (Automatic)	Support	Camera Dimensions	86*80*76mm (HTD)