User Manual

ABM100

Dear Customer,

We are truly grateful that you have chosen us as your best product dealer. You are our most highly valued customers and it has been a sincere pleasure serving you. We hope that you will enjoy the fantastic quality of our products and services. We will continue our efforts to meet your requirements and expectations in the future as well. You suggestions will help us shape our business to perfectly fit your standards.

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 - Keep the adapter line away from the baby so as not to entangle the baby's neck and cause suffocation.

Do not place the camera or power supply 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.**
- **Secure the wires to the wall to keep them away from the baby.**

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 instead of adult guardianship.
- Keep this user guide in a safe place for future reference.
- Never cover the baby monitor with a towel or blanket.
- Never use the baby monitor near water.
- Never install the baby monitor near a heat source.
- Only use the supplied charger and power adapter. Never use another charger or power adapter as this may damage the device.
- Never touch the plug with a sharp or metal object.

Important notes for installing a baby monitor

- When using your baby device and hand-held device, 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 hand-held display and the camera in a range of 1 meter, otherwise it will cause howling.
- When you get the product for the first time, our hand-held display has a protective screen, you can choose to keep or tear it off.

Package Included :

1 X Baby Monitor

1 X Remote Display Control

1 X User Manual

2 X Power Adapter

2 X USB Cable

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1. Product Overview

1.1 Remote Hand-held Display Console Overview

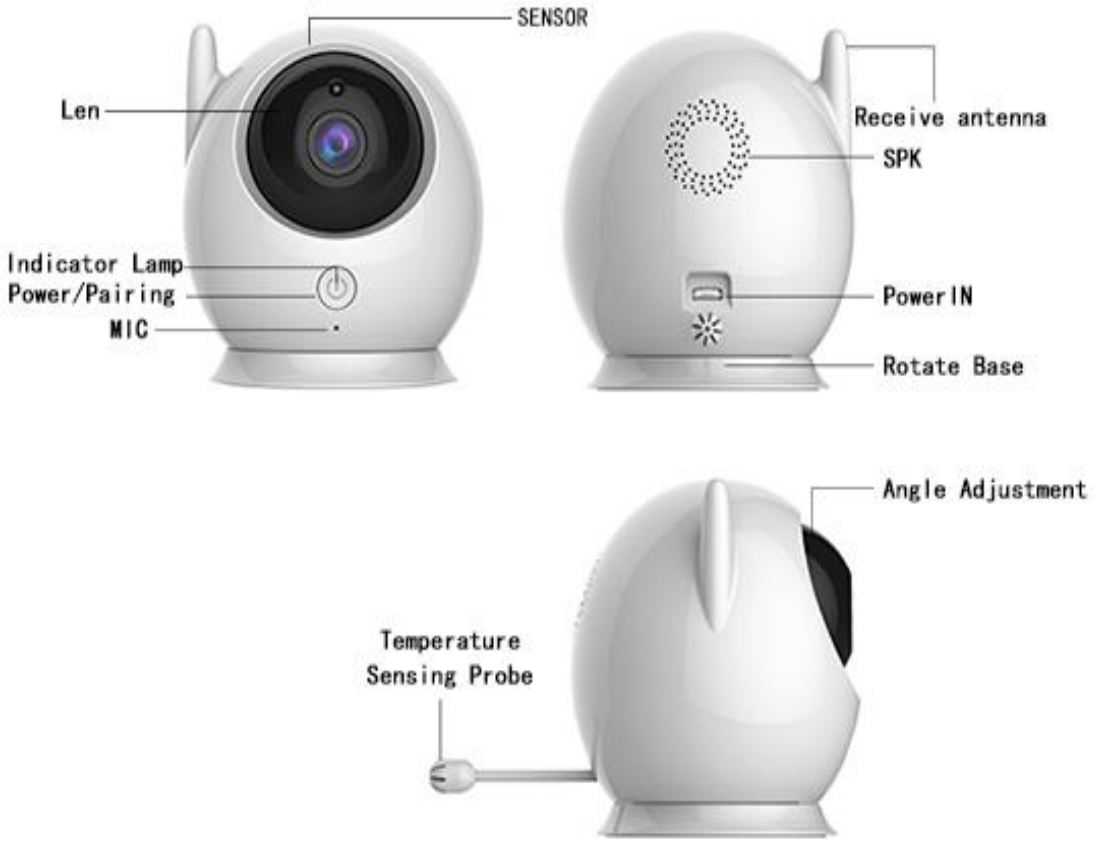
1.2 Hand-held Status Bar Icon

	Signal Level (5 Levels)
	No Signal
	Camera 1
	Camera 2 (Optional)
	Camera Switch
	Lullaby Switch
	Volume Level (Level 6)
	Night Vision Mode
	Cry Detection (High, Medium and Low 3 Modes)
	Baby Room Temperature Display
	System Time
	Battery Power
	Intercom Mode

1.3 Hand-held Menu Icon

	Feed Reminder Time Setting (Can Set Five Alarm Clocks)	OFF 0:30 1:00 2:00 3:00 4:00
	Lullaby Selection (8 Lullaby)	OFF 1 2 3 4 5 6 7 8
	System Time Setting	01:52:39 AM
	Temperature Mode Setting (Celsius / Fahrenheit)	℃ ℉
	Camera Settings (Add/Delete/Switch)	
VOX	VOX Sound Detection Settings	OFF LOW MED HIGH

1.4 Baby Monitor Overview



2. Start Using

2.1 Camera Power Supply

(1) Connect the Micro USB plug of the power adapter to the camera, and the other side to the power outlet, it should be connect the power adapter to the 110-220V AC outlet.

(2) When the power is connected, the camera will automatically turn on and the blue indicator will light (the night mode will automatically turn off).

2.2 Camera Power Switch

(1) Power on, when the power is connected and the power is off, short press the power switch key to turn on.

(2) Shutdown, long press the power switch key for 3 seconds, you can shut down.

2.3 Hand-held Display Power Switch

(1) Charging for the hand-held display. The process from no power to full charge is approximately 2-3 hours, but the machine can be turned on after the display terminal is plugged in.

(2) Long press power switch key for 3 seconds to turn on, open the receiving antenna of the hand-held display.

2.4 Watching The Image of Camera

When both the camera and the hand-held display are normally turned on, the hand-held device 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 pairing refer to the 2.5 pairing instructions;

(2) If the camera you pair is camera1 , you need to press the switch button to switch to camera 1 ,then it can be show the image. If the camera you pair is camera2 , you need to press the switch button to switch to camera 2 , then it can be show the image.

2.5 Pairing

(1) Pair code: When the camera is turned on, press the power button (about 10 seconds) until the blue light flashes quickly, release the button, it will enter the code mode. At the same time, open the hand-held display and press button to turn on the menu. Press or to select and press to confirm. In the pop-up bar, continue to press button to select 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 flashes, when pairing 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 10 seconds, the code mode will be automatically exited.

(2) Press to return to the main menu, press the camera switch button to change to pairing camera.

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

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 hand-held device.

3.2 Intercom Mode

When you speaking of the camera ,the hand-held display should be able to hear the speech sound. If not ,you can short press the or button to increase or reduce the volume(The step please read the 4.2 Volume Adjustment)

3.3 Night Vision Mode

The camera equipped with 8 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 hand-held 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. hand-held Display Menu

4.1 Intercom Mode

When the hand-held 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 enters the camera intercom mode.

4.2 Volume Adjustment

Press the or button in the display mode to increase or reduce 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 Display Brightness Adjustment

Press or and hold the button in the display mode to pop up the brightness adjustment progress bar, then press the or button to select the appropriate screen brightness, wait for 3 seconds ,the system will automatically save the settings.

4.4 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). To return to the previous step, press the key.

If the alarm time is selected, the hand-held device will beep every 0.5 hours, 1 hour, 2 hours, 3 hours, 4 hours, and the flashing flag of the feeding reminder will be displayed.

4.5 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. Press the key to return to the previous step.

4.6 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, AM/PM. Press the button when you complete the time setting and go to the next step. Press the button to return to the previous step.

4.7 Temperature Display

(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 ℃ or ℉ as the temperature unit and press the key to confirm. To return to the previous step, press the key.

The screen status bar will display the temperature , reading from the temperature sensor on the back of the camera.

If the temperature is above 28 ℃ or below 20℃, the temperature reading will turn red.

4.8 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.

4.9 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 or button until VOX is highlighted, and click to confirm.

(3) Select LOW MED HIGH modes to turn on VOX, or select OFF to turn off VOX.

(4) 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.

5. Cleaning

Clean the device with a slightly damp cloth or an antistatic wipe. Never use detergents or abrasive solvents.

Cleaning and maintenance

- Do not use thinner, other solvents or chemicals to clean any part of the product, which will result in damage to the product. This damage is not covered by the warranty.
- Do not expose the product to high temperatures, humidity, or strong sunlight, and do not get it wet.

6. FAQ & Troubleshooting

1. Q: Why is the distance in the room not far enough?
   A: a. Check if the receiving antenna of the hand-held 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?

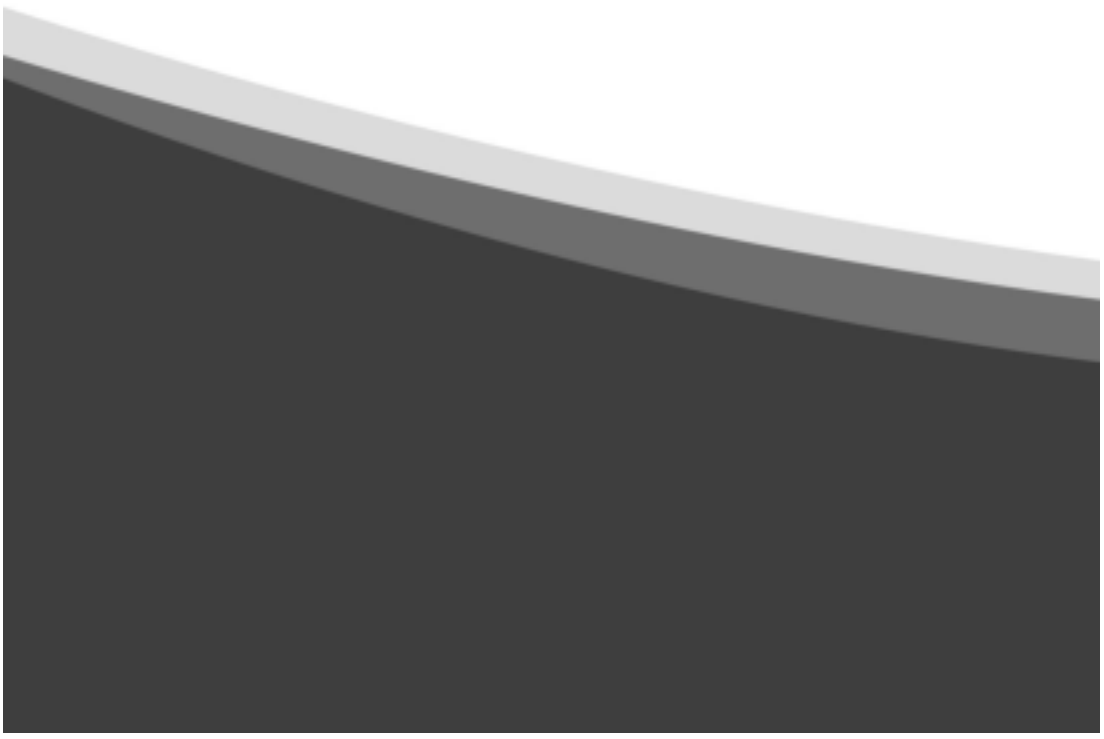
A:It is impossible to eliminate all the noise. This kind of howling has always been a problem in the audio field. Please keep your receiver and camera separate in 1 meter away or more.

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.

7. Specifications

Technical Parameter			
Model	ABM100	Display	4.3Inch
Chip	SN93360/93361	Resolution	VGA 480*272 12fps
Camera Sensor	GC00308	Camera	480V*640H
View Angle	75 Degree	Transmission Method	2.4GHz FHSS
Display Battery Capacity	1500 mAh	Transmission Distance	300M(Open Space)
Display Power Dissipation	0.95W	Temperature Alarm	Support
CAM Power Dissipation	0.92W	Crying Alarm	Support
Operating Temperature	-20℃-+65℃	Lullabies	Support
Material	PC+ABS	Feeding Alarm	Support
Display NW	140.0g	Night Vision(Automatic)	Support
Camera NW	119.0g	Display Dimensions	130.7*80.0*16.8mm(L*W*T)
Camera NW without Battery	98.0g	Camera Dimensions	85.0*100.0*80.0mm(H*W*T)