# Baby Monitor

ABM501 User Manual

Dear Customer,

We are truly grateful that you chose our product, we hope that you will be happy upon enjoy the fantastic quality and our services. Meantime, Your any requirements, suggestions and expectations that will be most helpful for our product improved and created new to fit your standards.

This user's manual can guide you to understand how to operate this product and solve any problem, that customers may encounter in using our products. Please read carefully before using the device.

☠ Warning

DANGER - Keep the adapter cable away from the baby to avoid a choking hazard from entangling the baby's neck.

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

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 table, desk or shelf.

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

- Must be assembled by adult.

- This baby monitor can be used for adult guardianship.

- Store this user guide for future reference.

- Do not cover the baby monitor with towel or blanket.

- Keep the baby monitor away water.

- Keep the baby monitor away heater, humidifier & others.

- Do not use other charger or power adaptor which may damage the device.

- Do not touch the plug with a sharp or metal object.

Important notes for installing a baby monitor

- When using, must check wireless Transmission smoothly connected between camera and the displayer, The wireless Transmission distance is affected by environmental conditions.

- Any heavy metal or home appliance will be block wireless signals transmit, such as refrigerators, metal doors or reinforced concrete.

- The strength of signal may be attenuated by solid buildings (such as walls), radios or electrical equipment (such as televisions, computers).

- If the signal lost, try to move the device to different location indoors.

- Do not put displayer and camera together within **1.5** meters, otherwise, it will cause howling.

Unit Package：

 * Camera

* Displayer

* User Manual

* Power Adapter+ power-charging cable

（Longer charging cable for camera）

Please use a DC 5V adapter, preferably the original one.

*Bag of screws

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1. PRODUCT OVERVIEW

1.1 DISPLAYER OVERVIEW

Reset Key   Power Switch

Indicator Light

Baby Monitor

Audio Key

Music Key

Mic

PTZ /Back

Direction Key/Shortcut Key

Menu/OK

Power Port

Antenna

Bracket

Speaker
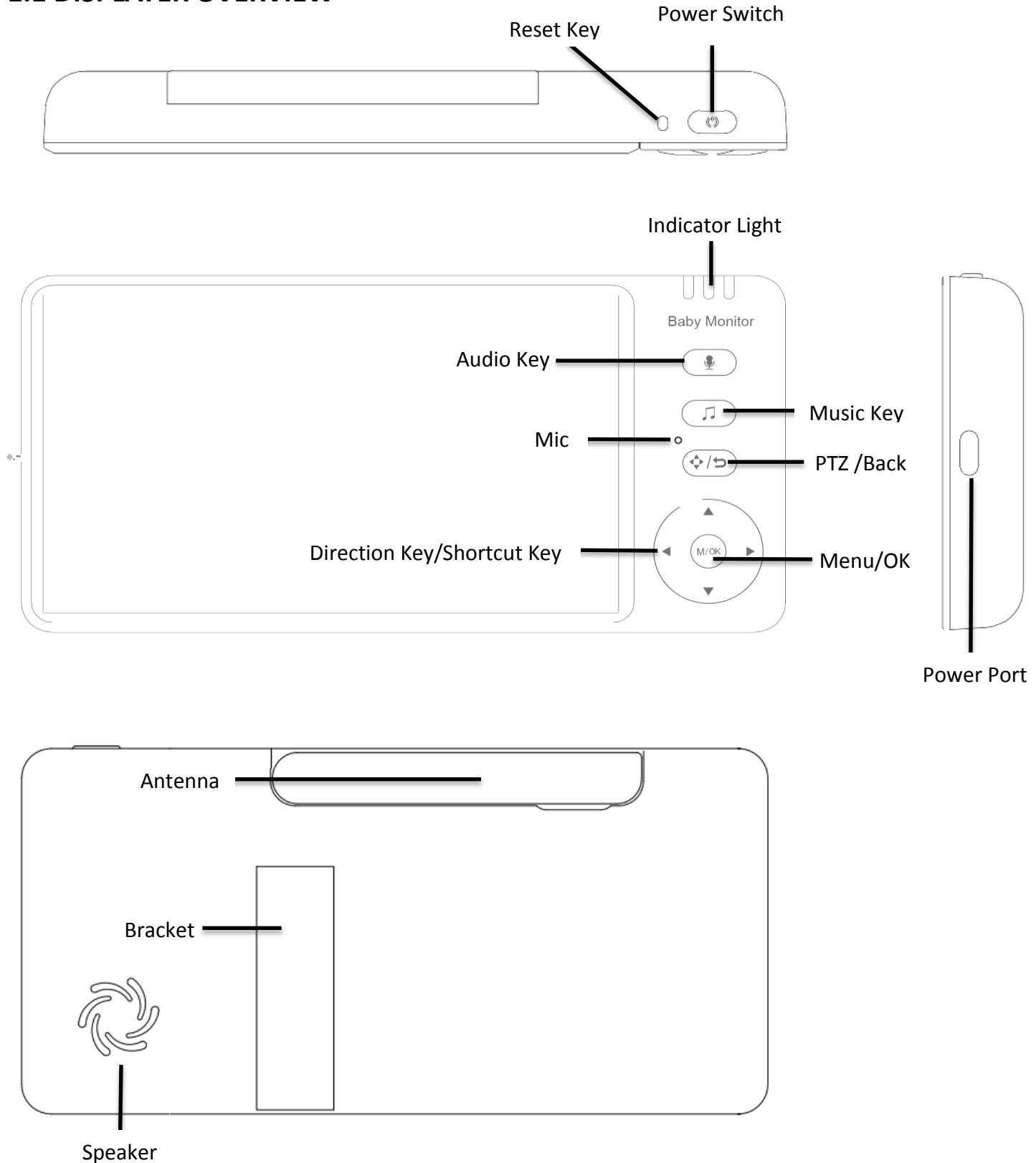
1.2 DISPLAYER STATUS BAR ICON

	...ııll	SIGNAL LEVEL (5 Levels)
	×...ııll	NO SIGNAL
	📷₁	CAMERA 1
	📷₂	CAMERA 2 (customized)
	⊕₂	CAMERA IMAGE ZOOM IN 2 TIMES
	⟳	CAMERA SWITCH
	♪₁	LULLABY TURN ON /OFF
	🔊	VOLUME SETTING (6 levels can be set)
	🎤	INTERCOM MODE
	🌙	NIGHT VISION MODE
	VOX	CRYING DETECTION（HIGH,MED,LOW）
	24℃	BABY ROOM TEMPERATURE DISPLAY
	05:51	SYSTEM TIME
	🔋	BATTERY POWER

1.3 DISPLAYER MENU ICON

🍼	Feeding Reminder Time Setting （Can Set 5 Alarms）	OFF	0:30	1:00	2:00	3:00	4:00
♪	Lullaby Selection (8 Lullabies)	OFF	♪₁	♪₂	♪₃	♪₄	♪₅
		♪₆		♪₇		♪₈	♪⟳
🕐	System Time Setting	0 0 : 0 0 : 0 0					
🌡	Temperature Setting(℃ / ℉ ,Temperature alarm on/off/High temperature warning/low temperature warning setting)	℃		℉		🌡⚙	
		〈 2 8 〉		〈 2 6 〉		〈🌡🔊〉	
📷	Camera Selection (add/delete/switch)	📷⁺		🗑		⟳	
VOX	VOX Sound Detection Setting	HIGH		MID		LOW	OFF
⊕	Camera zoom in / out	⊕×1		⊕×2		⊕×4	

1.4 CAMERA OVERVIEW

SENSOR

LEN

MIC

TF PORT

INFRARED LIGHT

PAIRING KEY

SPEAKER

ANTENNA

POWER PORT
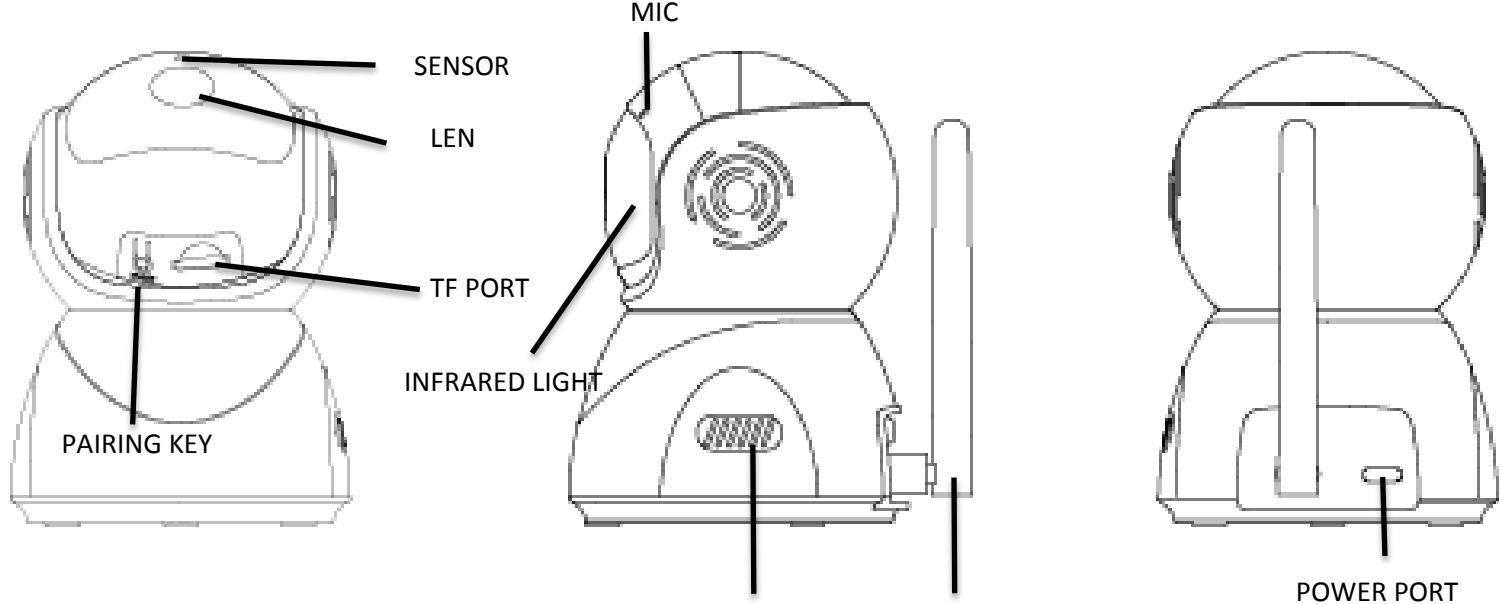
2. OPERATION

2.1 HOW TO TURN ON DEVICE

The baby monitor provides two power adaptors + power-charging cables. One is to connect the camera, the other is to connect displayer for charging battery.

(1) The adapter is available for AC-100-240V input. The camera will auto-turn-on after plug adaptor in, the blue indicator will be light-on (At the night mode it will automatically turn off).

(2) Pull-out antenna first, press the ⏻ power button of displayer for 3 seconds to turn it on/off. Displayer is with battery, when battery is low-power, please plug adaptor in for recharge

2.2 PAIRING

Once the camera and the displayer are both turned on, they will be Auto-connected, If not, follow the steps as below:

(1) Turn on the displayer and press menu key (M/OK) . Press < or >

to select camera 📷 and press (M/OK) to confirm. In the pop-up bar, press ∧

button to select 📷⁺ and press (M/OK) to confirm, and then press ∧ or ∨ to

choose 📷₁ or 📷₂ to pair. At this time, the blue indicator light of the displayer

device will flash and a prompt Keep pressing the button of the camera for three seconds to pair will appear on the displayer
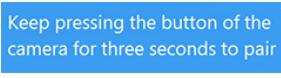
7

device screen. The blue indicator light stops blinking when the device is paired successfully.

If no device is paired for 30 seconds, it will automatically exit the pairing mode, or you can press and hold ⟨❖/⤺⟩ for 1.5 seconds within 30 seconds to exit the pairing mode directly.

(2) When the camera is power–on and turned-on, keep pressing the pairing key ⛾ for 3 seconds, then, the blue light will flash quickly. It means that the camera is now in the pairing mode. Once the camera has connected with the displayer, the indicator light will turn off. Now the displayer can show the image that the camera captures.

   If there is no device pairing for 1 minute, it will automatically exit the pairing mode.

(Note: One camera can only be connected to one monitor. If the pairing fails several times in a row, please contact the after-sales service or local dealer.)

2.3 CHECKING THE IMAGE OF BABY CAMERA

   When both the camera and the displayer are normally turned on, the displayer should be able to show the image from the camera (If the displayer does not show the image please check the pairing condition.).

（1）Please check those are with power in advance.

（2）If the connection fails, please re-pair according to the **2.2 PAIRING** instruction.

（3）Press the key ⟨M/OK⟩ to enter the menu, and select the camera you want to watch.

3. CAMERA USAGE

3.1 Camera button function

Keep pressing the button ⛾ for 3 seconds to enter the pairing mode. It will quit in a minute then need pair again.

3.2 NIGHT VISION MODE

The camera is equipped with 1 piece high-intensity infrared LED light, which helps to capture clear images in the dark. When the built-in optical sensor detects that the ambient light is weak, the infrared LED will become automatically light up. The screen of the displayer will be shown in black and white color, and the icon will be displayed in the status bar at the top of the screen.

3.3 INSTALLATION

（1）Place the camera at the area as you want to monitor.

（2）Adjust the camera view angle by turning the direction key <, >, ∧ or ∨ till a satisfactory image as you like on the displayer.

4. THE DISPLAYER MENU

4.1 INTERCOM MODE

While you want to two-way talkback, please press the key 🎤 mode, then you can talk with your little baby. And release the key 🎤 when the conversation is over. Meanwhile, the camera system will enter intercom mode after releasing the key 🎤 of the displayer.

4.2 VOLUME ADJUSTMENT

（1）Press the key < or > to adjust a larger or smaller volume.

The volume has 6 levels for option.

4.3 FEEDING REMINDER (ALARM)

（1）Press the key M/OK to enter the main menu.

（2）Press the key < or > to choose 🍼 .

（3）Press the key ∧ or ∨ to select the alarm time (0.5h/1h/2h/3h/ 4h) for the feeding reminder. Then press the key M/OK to confirm. Press the key ◇/⮌ to exit the menu.

If the alarm time is set, the displayer will beep every 0.5h/1h/2h/3h/ 4h, and the flashing feeding mark will appear on the screen. Press any key to cancel feeding reminder.

4.4 LULLABY

（1）Press the key (M/OK) to enter the main menu.

（2）Press the key < or > to choose 🎵 .

（3）In the pop-up menu bar, press the key ∧ or ∨ to select the lullaby, and press the key (M/OK) to confirm. To play all the music in a loop, select 🎵↺ and press the key (M/OK) to confirm. Press the key < or > to switch to other settings ， or press (✧/⇔) to exit the menu.

（4）Press the music key 🎵 to play the lullaby, and press again to turn off the lullaby, long press 🎵 to play all the music in a loop.

4.5 SYSTEM TIME SETTING

（1）Press the key (M/OK) to enter the main menu.

（2）Press the key < or > to choose 🕐 .

（3）In the pop-up menu bar, press the key (M/OK) to choose in turn the hour, minute, second, and press the key ∧ or ∨ to adjust in turn the hour, minute, second. Press the key < or > to switch to other settings, or press (✧/⇔) to exit the menu.

4.6 TEMPERATURE DISPLAY

（1）Press the key (M/OK) to enter the main menu.

（2）Press the key < or > to 🌡️ .

（3）In the pop-up menu bar, press the key ∧ or ∨ to select ℃ or ℉ , press the key (M/OK) to confirm. Press the key < or > to switch to other settings, or press (✧/⇔) to exit the menu.

（4）In the pop-up menu bar, press the key ∧ or ∨ to select 🌡️🔊 and press the key (M/OK) to enter the sub-menu of setting the alarming temperature.

（5）Press the key ∧ or ∨ to set a high, low or turn on warning temperature < 30 > . < 20 > . <🌡️🔊> .

Press the key < or > to turn on <🌡️🔊> or off <🌡️✖> temperature alarm sound. Under <🌡️✖> mode, there's only an icon 🌡️⁺ or 🌡️⁻ prompt no beep alarm, under <🌡️🔊> mode, there's an icon 🌡️⁺ or 🌡️⁻ prompt also a beep alarm.

Press the key < and > to set the temperature value to be warned（℃ setting range 28℃~37℃，℉setting range 82℉~98℉）. 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（℃ setting range 0℃~26℃，℉ setting range 32℉~78℉）. If the current ambient temperature is lower than the warning temperature, the system automatically prompts a low temperature warning.

（6）The screen will show temperature status bar from temperature sensor at back of camera. When the baby's room temperature is higher over setup temperature, the screen will appear red 🌡️⁺ mark on the screen and warning alarm.

While the temperature is lower than setup temperature, the screen will appear blue mark 🌡️⁻ and warning alarm.

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 the key (M/OK) to enter the main menu.

（2）Press the key [<] or [>] to choose [📷] , press the key [∧] or [∨] to choose [📷+] , [🗑] or [🔄] , then press the key [M/OK] to enter the sub-menu .

（3）Select [📷+] , then press the key [M/OK] to choose [📷₁] or [📷₂] for pairing. After the pairing is successful, the displayer will show the image from [📷₁] or [📷₂] .

（4）Select [🗑] to enter delete mode, and then press [M/OK] to delete [📷₁] or [📷₂] , it will prompt [×] or [√] , select [√] to delete, select [×] not to delete, if delete successfully, the icon [📷₁] convert to [📷₁] , "no-camera-connection" will be reminded.

（5）Select [🔄] , then press the key [M/OK] to see the sub-menu, and choose the [📷₁] or [📷₂] to view the corresponding image. Or you can choose [🔄] to enter cyclic mode, and the image from the cam1 to cam2 will switch in every 15 seconds.

4.8　VOX SETTING

VOX detection: Turn on the VOX mode, the display screen will auto light off after 30 seconds. When the ambient volume of camera is louder than the setup value, the screen will auto light up.

（1）Press the key [M/OK] to enter the main menu.

（2）Press the key [<] or [>] to choose [VOX] .

（3）Press the key [∧] or [∨] to select [LOW] [MID] [HIGH] or [OFF] , then press the key [M/OK] to confirm the setting.

（4）Even in the VOX-off mode, short press the key [⏻] to enter VOX mode in a shortcut way (the screen will be turned off, but it will keep transferring sound from the camera).

Note: At the VOX turned off, press the key [⏻] , and the screen will be keep light on without auto light on/off. The sound is still heard from the camera at any time. This mode is suitable for baby is playing while adult needs to leave for a moment.

When the VOX mode is turned on, the screen and sound will be auto light on/off in 30 seconds. When the ambient sound of the camera is louder than setup value, the

screen will become light up and the speaker will make a sound. This mode is suitable to use at night.

4.9 DISPLAY BRIGHTNESS

（1）Press the key ∧ or ∨ to adjust the brightness ☼‖‖‖‖‖ directly. It has 6 levels.

5. PTZ REMOTE CONTROL

Short press the key ⟨✧/⊃⟩ to turn on remote control mode, then press the direction key ∧ ∨ < > to adjust the camera rotation angle.

（1）Press ∧ key, adjust camera to see upper view from displayer.

（2）Press ∨ key, adjust camera to see down view from displayer.

（3）Press < key, adjust camera to see left view from displayer.

（4）Press > key, adjust camera to see right view from displayer.

6. CAMERAM ZOOM IN

（1）Press the key ⟨M/OK⟩ to enter main menu.

（2）Press the key < or > to choose ⊕, then press ∧ or ∨ to select zoom in ⊕×1, ⊕×2 or ⊕×4, then press ⟨M/OK⟩ to confirm, press the key ⟨✧/⊃⟩ exit the menu.

7. VIDEO RECORDING

（1）Installing the SD card into the card slot of the camera, the mark ▦ appears on the screen of the displayer.

（2）In the main interface, keep pressing the key ⟨M/OK⟩ for 1.5 seconds, the video recording starts, and the mark ▣◁ Recording now, please quit flashes on the screen. Keep pressing the key ⟨M/OK⟩ for 1.5 seconds again to pause and exit the recording.

Note: The recorded video can't be played back by the displayer. Please remove the SD card and play the recorded video in the computer.

8. POWER LEVEL

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

9. SIGNAL

(1) Signal mark . If there is a large signal tower base station or high power signal interference equipments in the current environment, it may cause interference to Transmission and the mark will be appear. When the signal disconnected for 5 seconds, the mark will be 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.
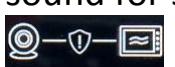
10. CLEANING

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 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.

11. FAQ & TROUBLESHOOTING

1. Q: Why is the signal in the room is bad?

   A: a. Check if the receiving antenna of the displayer terminal is turned on;

      b. Due to wall of houses is different materials, which will block 2.4G signals, When the signal is not satisfied, the place of display shall be moved.

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 displayer and camera separate over 1.5 meters.

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 is not precision shown on the screen?

A: a. There is a difference in indoor air circulation.

b. The main reason is that the thermistor has a ±1℃ deviation, and there may be shielding around the thermistor, resulting in a difference.

4.Q: How to eliminate howling?

A: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.

12. SPECIFIACATION

Technical Parameter			
Model	ABM570	Display Size	5-Inch
Sensor	CMOS 1/4	Camera	1280*720P
View Angle	75 Degree	Transmission method	2.4GHz FHSS
Battery	3500 mAh	Transmission Distance	300M (Open Space)
Monitor Power Consumption	1.3W	Temperature Detection	Support
Camera Power Consumption	1W	Cry reminder	Support
Working Temperature	-20℃~65℃	Lullaby	Support
Material	ABS	Feeding Reminder	Support
Camera Size	D80*115mm (D*T)	Night Vision	Support
Monitor Size	150*74*17mm (L*W*T)		

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction