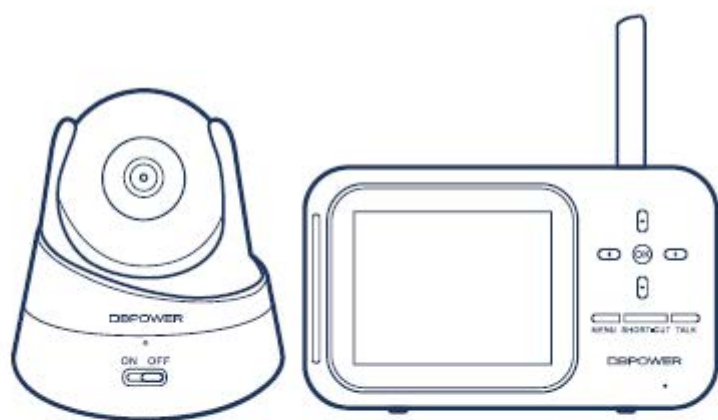


DBPOWER

DIGITAL BABY MONITOR-BMO-X1 USER MANUAL



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SAFETY PRECAUTIONS

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions carefully.
2. Follow all warnings and instructions marked on this unit or mentioned in this manual.
3. This product is not intended to replace adult supervision, but as a tool to assist. It is important that users stay within the communication range of the system at all the times when using it.
4. This is product intended for indoor use only. Outdoor use may damage the device.
5. It is essential to check reception regularly. Please see the reception section for complete instructions.
6. Never put the system near water sources, such as bathtubs, bathroom sinks, laundry tubs, kitchen sinks or in a wet basement etc. Immersion of this unit in water could cause an electric shock.
7. Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
8. Do not cover slots and openings on the unit; they are provided for ventilation and protection against overheating.
9. Install the unit where no one can step or trip on the cord.
10. Never push any objects through the unit's slots or spill any liquid on the unit.
This may result in fire or electric shock.
11. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized service center or qualified technician when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.

14. Keep the system away from heat sources such as radiators, heat registers, stoves or other appliances that produce heat. Keep out of direct sunlight.
15. Always unplug the AC adaptor if not using the device for long periods of time.
16. The outer surface of the baby unit and parent unit can be cleaned with a cloth LIGHTLY dampened with water or a mild cleaning solution.

WARNING

To reduce the risk of fire or electrical shock, do not expose this unit to rain or any type of moisture.

AC Adapter:

The adapter can be separately connected to DC IN connectors of both the parent unit and baby unit. Please ensure the units are switched off before plugging or unplugging the adapters.

CAUTION:

The adapter can be separately connected to DC IN connectors of both the parent unit and baby unit. Please ensure the units are switched off before plugging or unplugging the adapters

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.

The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the 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, 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.

RF warning statement:

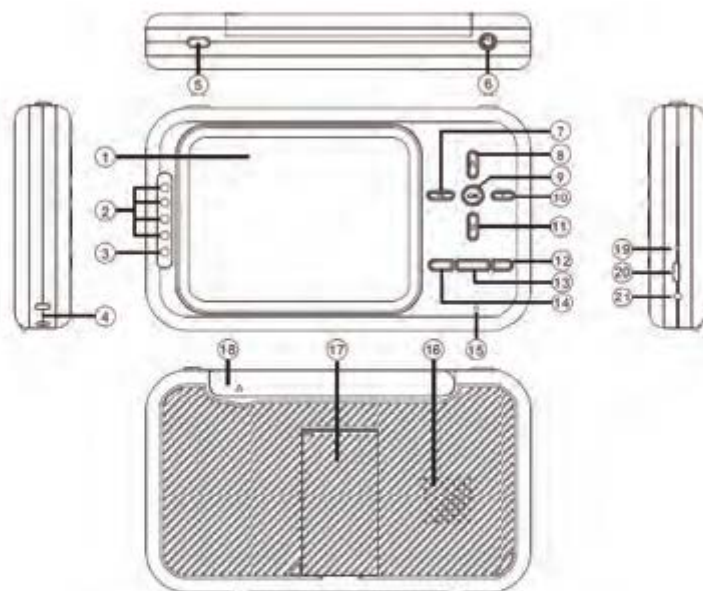
The device has been evaluated to meet general RF exposure requirement. This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

FCC ID: 2ACQSBMOX1TX (Baby unit)

FCC ID: 2ACQSBMOX1RX (Parent unit)

PRODUCT DIAGRAM

Parent Unit:



Name

- | | |
|---------------------------|---|
| 1 – LCD display | 2 – Audio indicator (green/green/red/red) |
| 3 – Unit ON/OFF indicator | 4 – Hanging loop |
| 5 – Night light | 6 – Power ON/OFF |
| 7 – Option key (◀) | 8 – Option key (▲) |
| 9 – Confirm key (OK) | 10 – Option key |
| 11 – Option key (▼) | 12 – Talk key |
| 13 – Shortcut key | 14 – Menu key |
| 15 – Microphone | 16 – Speaker |
| 17 – Stand | 18 – Antenna |
| 19 – Reset key | 20 – USB socket |
| 21 – Power indicator | |

OPERATING PROCEDURE

1. Power ON /OFF

- ① Power ON by pressing and holding the Power ON/OFF button for 2 seconds until the unit ON/OFF indicator is shown as in the below picture.



- ② The received image will be displayed on the LCD screen if the unit has connected successfully. If not, the below screen will be shown.



- ③ Power off by pressing and holding the power ON/OFF button for 2 seconds until the screen turns off & the unit ON/OFF indicator is off.

2. Talk mode

Under normal circumstances, the baby unit will transmit sound and video to the parent unit. If the parent needs to talk through the baby unit, press and hold the Talk button while speaking. The talk icon  will be displayed at the top of the screen when the unit is transmitting audio.

3. Pan and Tilt

The camera can be remotely controlled by parent unit

Press option button (◀) and the baby unit camera will turn left.

Press option button (▶) and the baby unit camera will turn right.

Press option button (▲) and the baby unit camera will turn up.

Press option button (▼) and the baby unit camera will turn down.

4. Zoom

Press the OK button to magnify the image . The  icon will be displayed on the screen. Press the OK button again and the image will return to normal.

5. Night light

Press the night light button to turn on the night light of baby unit. The night light icon will be displayed on the screen. Press the night light button again to turn off the night light.

6. Screen Display

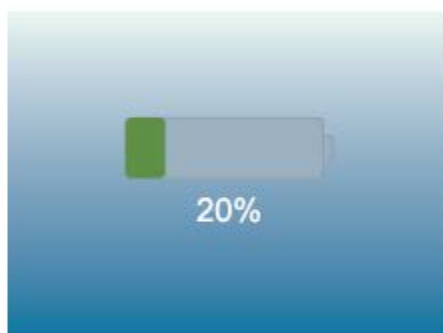
- ① Signal Strength: There are 5 levels to show signal strength. 

- ② **Battery status:** Indicates the current battery status. The battery status can display as: 100% charged, 75% charged, 50% charged, 25% charged, low battery.

Charging time: 8 hours with using adaptor 

7. Low battery indicator

When the parent unit battery is low (less than 20%), the 'low battery image' will be displayed on the screen as below. When the battery is less than 10% charged, the flashing red battery icon will be displayed and an alarm will sound every 3 seconds, until the parent unit powers off automatically.



8. Automatic Night Vision

The baby unit has 7 high-intensity infrared LEDs for picking up clear images in the dark. When the built-in photo sensor on the top of the unit detects a low level of ambient light, the LEDs will automatically activate and the screen on the parent unit will display in black and white. The icon will be displayed at the top of the screen.

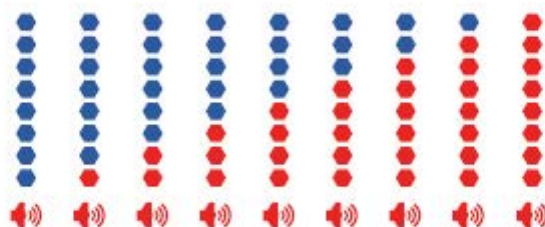
MAIN MENU

Press the MENU button and the main menu bar will pop up

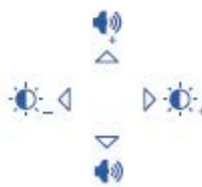


1. Volume

- ① Press the menu button first, then press the Option button (◀ & ▶) until the volume icon is highlighted, press the Option button (▲ & ▼) to select the desired volume level from level 0-8

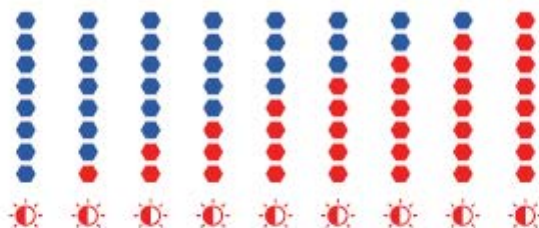


- ② Press the Shortcut button first, then press the Option button (◀ & ▶) to increase & decrease the volume level.

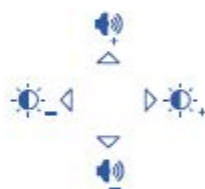


2. Brightness

- Press the menu button first, then press the Option button (◀ & ▶) until the brightness icon is highlighted, press the Option button (▲ & ▼) to select the desired volume level from level 0-8



- Press the Shortcut button first, then press the Option button (◀ & ▶) to increase & decrease the brightness level.



3. Power saving mode

Press the menu button first, followed by the Option button (◀ & ▶) until the Power saving icon is highlighted, press the Option button (▲ & ▼) to select the desired selection. For example if 3 mins is selected, the screen turn off off if there is no operational input after 3 minutes. When the screen is off, the parent unit will still receive the audio signal from the baby unit, and the audio indicator will light up accordingly. If the audio level is higher than the threshold value selected in VOX, the screen will turn on automatically, and an alert sound will play.

3 min

5 min

off



3 min

5 min

off



3 min

5 min

off



4. Feeding

Press the menu button first, followed by the Option button (◀ & ▶) until the Feeding icon is highlighted. Press the Option button (▲ & ▼) to select the desired time. For example, if '2h' is selected, then the parent unit will give a feeding alert every 2 hours, and the flashing clock icon will be displayed at the top of the screen.

off

2h

4h

6h



off

2h

4h

6h



off

2h

4h

6h



off

2h

4h

6h



5. Lullaby

Press the menu button first, followed by the Option button (◀ & ▶) until the Lullaby icon is highlighted. Press the Option button (▲ & ▼) to select the desired lullaby from cycle 1 (1/2/3/4/5 ⇌), and the corresponding lullaby icon will be displayed at the top of the screen.



5

4

3

2

1

off



5

4

3

2

1

off



5

4

3

2

1

off



5

4

3

2

1

off



5

4

3

2

1

off



5

4

3

2

1

off



5

4

3

2

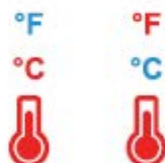
1

off



6. Temperature mode

Press the menu button first, followed by the Option button (◀ & ▶) until the Temperature mode icon is highlighted. Press the Option button (▲ & ▼) to select the desired mode of Fahrenheit or Celsius, and the unit of temperature on the screen will change accordingly.



7. VOX

Press the menu button first, followed by the Option button (◀ & ▶) until the VOX icon is highlighted. Press the Option button (▲ & ▼) to select the desired mode from OFF to HIGH.

off	off	off	off
LO	LO	LO	LO
MID	MID	MID	MID
HI	HI	HI	HI
VOX	VOX	VOX	VOX

Note:

When in power saving mode and VOX is on, the audio signal as well as the pressing of any button will trigger the screen to turn on.

When VOX is off, only pressing a button will trigger the screen to turn on.

8. Camera

A. Pairing the Camera

- ① Press the menu button first, followed by the Option button (◀&▶) until the Camera icon is highlighted, and the cam1/cam2/cam3/-cam4 icons will pop up. Press the Option button (▲&▼) to select the desired camera, and press the OK button to confirm. There will be a “*” displayed next to the cam icon, e.g. “cam 1*”. Press and hold the PAIR button for 3 seconds on the baby unit and the parent unit will connect to the baby unit. The real-time image from the selected camera will then appear.
- ② Press and hold the PAIR button for 3 seconds on the baby unit and the unit ON/OFF indicator will flash. Select the desired camera and press the OK button on the parent unit (same as above). The parent unit will then connect with the baby unit, and the real-time image from the selected camera will appear.

cam 1
cam 2
cam 3
cam 4



cam 1
cam 2
cam 3
cam 4



cam 1
cam 2
cam 3
cam 4



cam 1
cam 2
cam 3
cam 4



cam 1*
cam 2
cam 3
cam 4



cam 1
cam 2*
cam 3
cam 4



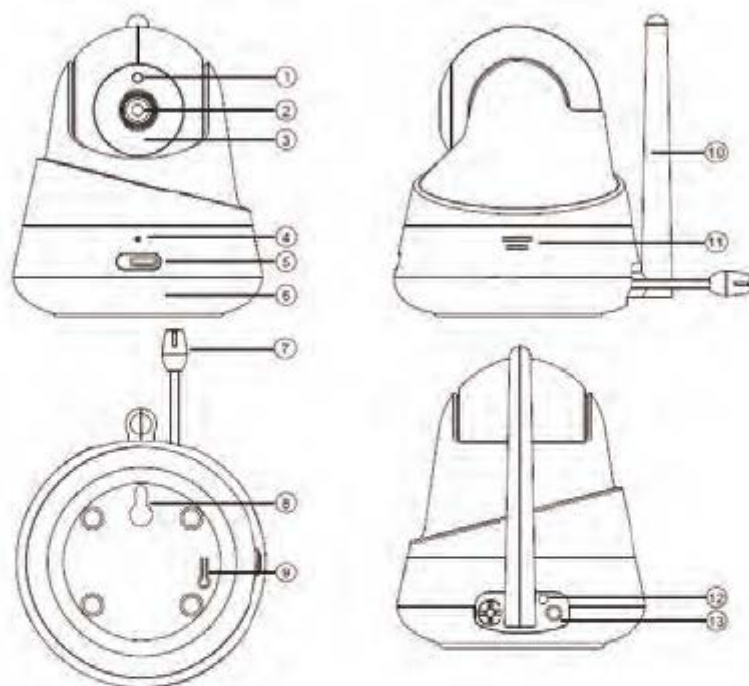
cam 1
cam 2
cam 3*
cam 4



cam 1
cam 2
cam 3
cam 4*



BABY UNIT



Name

- 1—Light sensor
- 3—Infrared LEDs
- 5—Power ON/OFF switch
- 7—Temperature sensor
- 9—Pairing button

- 2—Camera lens
- 4—Microphone
- 6—Night light
- 8—Mounting hole
- 10—Antenna
- 12—Unit ON/OFF indicator

POWER ON/OFF

1. Connect the Baby unit with the adaptor. Power on by **sliding** the Power ON/OFF switch to the ON position.
2. Power off the unit by **sliding** the Power ON/OFF switch to OFF position.

TECHNICAL SPECIFICATIONS

1. Power (for parent unit): Built-in 2000mAh lithium rechargeable battery.
AC adaptor: AC 100V–240V- DC 5V, 1A
2. Power (for baby unit): AC adaptor 100V–240V- DC 5V, 1 A.
3. Operating temperature: 0–45°C
4. Transmission power: $\leq 20\text{dBm}$
5. Operating frequency: **2.4-2.4835GHz**
6. Display: 3.5" color LCD
7. Transmission range $\geq 300\text{m}$ (open area)
8. Resolution: 320x240 pixels
9. Transmission rate: > 15 frames/second
10. Talking function: two-way communication

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