

OT240M Baby Monitor

User Manual

Components

Built-in MP3+4G TF card with songs and stories;

User-friendly menu;

Two-way talkback to comfort baby.

One User Manual

One parent unit

One rechargeable Ni-MH battery for the parent unit

One baby unit

One power adapter

One USB connected adapter

One Pulse Oximeter (including one SpO₂ probe)

Two batteries for Pulse Oximeter

Settings

Step 1: Connect the baby unit to the power and insert battery pack into parent unit with correct polarity (+/-) as indicated.



Step 2: Toggle the key on the baby unit, press and hold the parent key until the green LED is on. The parent unit is now powered on and the parent unit will search for and link itself to the baby monitor.

◆ Baby unit settings



- | | |
|--------------------------|---------------------|
| 1. Play the next lullaby | 2. Pause/play |
| 3. Play previous lullaby | 4. Nightlight |
| 5. Volume up | 6. Volume down |
| 7. Power switch | 8. MP3 TF slot |
| 9. USB power jack | 10. Power indicator |



11. Press to access menu settings, press and hold to power on/off.

12. Remote control the camera of the baby unit (turns left/right or up/down).

13. Turn on/off LED

Press and hold to talk with your baby.

Tips:


✧ To turn off LCD screen by pressing button 13 for power saving and more restful sleep at night.

✧ Talk with baby by pressing and holding the button 14.

✧ Press button 11 to open menu when parent unit and baby unit turned on. Constant LCD light mode and power saving mode are available in second item.

◆ Menu structure of parent unit

 **6** Voice & volume

 Screen always on or power saving

 **6** Brightness

 **X2** Zoom

 **MP3**

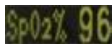
 **MP3**  Temperature



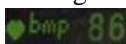
Power



Signal



SpO₂ Value



Pulse Rate Value

1. Volume settings

Press menu button to access main menu when parent unit is turned on, choose this icon and then increase or decrease the volume of parent unit pressing the left or right direction keys. (Default is Mute)

Constant LCD light/Power saving

Press menu button to access main menu, choose this icon to set the display mode by pressing left or right direction keys. (The light under Power saving mode will self-adjust according to the environmental sounds).

2. Brightness setting

Press menu button to access main menu, choose this icon and select the desired brightness level (from 1~6) using the left or right direction keys.

3. Zoom

Press menu button to access main menu, choose this icon to change the zoom x1 or x2 by pressing right direction key.

4. MP3 kid's learning

Method 1: Press menu button of parent unit to access main menu, choose this icon and turn on/off MP3 by pressing right direction key and select desired lullaby left key.

Method 2: To start MP3 press the bottom key on the baby unit.

Technical parameters

Model	OT240M
Modulation system	FSK
Frequency	2.4G
Channel	19
Screen material	2.4" LCD
SpO ₂ Range	35% - 100%
SpO ₂ Alarm	Low limit 90%
Pulse Rate Range	30bpm – 240bpm
Pulse Rate Alarm	High limit 160bpm Low limit 70bpm
Baby unit battery	Dc 6v/2a
Parent unit sensitivity	Aa1800mA 3.6V NI-MH
Parent unit adapter	≤85dBm
Parent unit battery	DCV / 500mA
Battery cycle life	Aa1800mA 3.6V NI-MH
Battery charging time	14 Hours
Operating	12 Hours
Temperature range	32-122F (0-50C)
Open area range	820ft(250m)
Lullaby	Mp3 +4g TF

Technical features

- ✧ Low power indication: Should battery voltage fall below 3.5V, parent unit will alarm and will shut off if below 3.0V.
- ✧ Squelch: automatic filtering environment background noise.
- ✧ Automatic sound trigger: If the sound exceeds 50dB, the baby unit will transmit sound so as to prevent parent from noise interference.
- ✧ Alarming: A 10 second “beep-beep” alarm will sound to alert parent when the distance between the parent unit and baby unit has been exceeded; When the measured SpO2 or Pulse Rate value exceeds the preset alarm limit, then the parent unit will activate the audible and visual alarm indications.
- ✧ Automatic channel search: the parent unit will search the proper channel to connect to the baby monitor.
- ✧ Sweet nightlight: A nightlight switch at the bottom of baby unit provides convenience for baby care at night.
- ✧ Infrared night vision: Detect images in the dark. (changes to black/white).
- ✧ Charging indicator: power indicator flashing.
- ✧ MP3 player: built-in MP3 with lullabies and children stories in baby unit, which can be operated by parent unit. Additional lullabies may be uploaded.

Cautions:

- This product is intended as an aid. It is not a

substitute for responsible and proper audit supervision and not intended for use as a medical monitor.

- Please do not use power adapters that may not fit this product configuration.
- Please do not expose the baby monitor to extreme cold, heat, wet or direct sunlight.
- Make sure the baby unit and the adapter cord are always out of reach of the baby, at least 3 feet/1 meter away from the baby or crib, to avoid a possible strangulation hazard.
- Never cover the baby unit or parent unit with anything such as a towel or a blanket. Clean units only when when powered off.

Troubleshooting

❖ **Problem:** Power indicator light not working.

Possible cause: Does not switch on; Power is not getting to the unit; Low batteries.

Solution: Turn on the units; Make sure the units are connected to the power supply; Replace the batteries.

❖ **Problem:** Power indicator flashing.

Possible cause: Not connected well with adapter; Low batteries.

Solution: Make sure well connected; Replace the batteries.

❖ **Problem:** Parent unit makes loud noises.

Possible cause: Units are too close together; Volume dial on parent unit may be too high.

Solution: Move the parent unit at least 3 feet/1 meter

away from the baby unit; Turn down volume on the parent unit.

❖ **Problem:** Weak sound or mute coming from parent unit.

Possible cause: Volume on parent unit or set too low or muted.

Solution: Turn up the units closer to each other.

❖ **Problem:** Units may be too far from each other.

Possible cause: No signals between units.

Solution: Move the units closer to each other.

Instructions for Pulse Oximeter

Connection

Insert the sensor tips into the slots on the probe holders. Place the sensor tip labeled “LED” into the stationary probe holder on the silicone wrap belt, and place the sensor tip labeled “PD” into the sliding probe holder, as illustrated in Figure 1 and Figure 2.

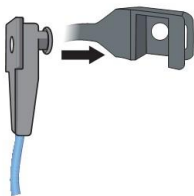


Figure 1 Probe tip and holder

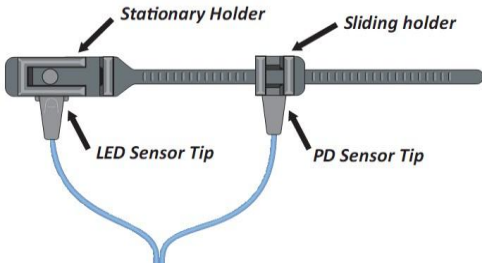


Figure 2 Y-type SpO₂ Sensor with Rubber Wrap

NOTE: Make sure that the silicone button seat fully into the hole in the back of the probe holder.

Wrap the oximeter on the leg near ankle with its belts and position the front panel to a proper place for convenient operation, as shown in Figure 4.

Wrap up the Y-type sensor onto the baby's foot by the rubber wrapper, as illustrated in Figure 3. Make sure the alignment of the light-emitting tip (LED) and the photo- detecting tip (PD) for aiming at each other, then thread the end of wrap belt through the outside slots on the probe holders and tighten the rubber belt with proper force. The final placement is shown in Figure 4.

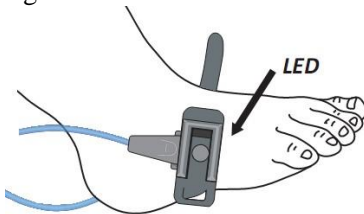


Figure 3 Sensor wrapping up

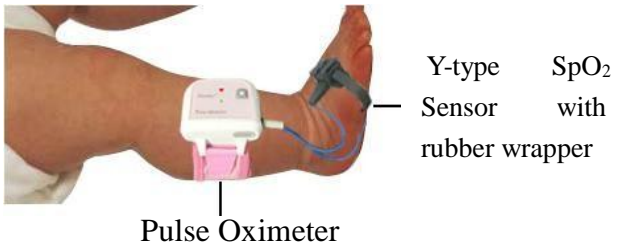


Figure 4 Placement of the Oximeter and the Sensor

It's recommended that wrapping up the sensor onto the baby's first toe if the foot is too thick to be tighten, as shown in figure 5.

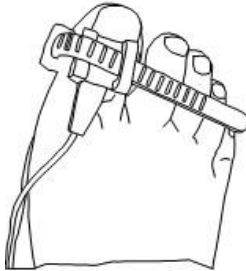





Figure 5

IMPORTANT: The sensor connection is critical for the signal strength and quality. Try to make LED and PD facing each other in opposite side, so that the light beam is as vertically transmitted as possible and the light path is as short as possible.

Instructions for Operation

After all connection are completed, press the Power Button () for 3 seconds to power on the oximeter, referring to below figure. When the oximeter is powered up, the Power Indicator (yellow lamp ) will light constantly. If the heart beat is detected, the Heartbeat Indicator (red lamp ) flashes according with the heart rate. At the same time the oximeter sends the measured data (SpO₂ and PR) to Baby Monitor in a given time interval via wireless communication, and the SpO₂ and PR value will be displayed on the terminal side of Baby Monitor.



Appearance of the Pulse Oximeter

NOTES:

1. The oximeter has no automatic power-off function. Press the Power Button for 3 seconds to turn it off after the end of each use.
2. If the Power Indicator flashes it means the battery voltage is low for the oximeter, please replace the batteries.

Distributed by:

eH4H LLC

1200 Abernathy Road, Suite 1700, Atlanta,
GA 30328

Website: www.Dormebaby.com

Tel: 888-741-2224 ext. 2

Fax: 832-442-4000

A division of Tele-H-for H Holdings, LLC

FCC Caution.

§15.19 Labelling requirements.

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.

§15.21 Information to user.

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

§15.105 Information to the user.

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.

***RF warning for Mobile device:**

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