



motorola



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# User's Guide

Video Baby Monitor with Touchless Thermometer

Models: MBP27T, MBP27T/2, MBP27T/3, MBP27T/4

*The features described in this User's Guide are subject to modifications without prior notice.*

# Welcome...

## *to your new Motorola Video Baby Monitor!*

Thank you for purchasing the MBP27T, MBP27T/2, MBP27T/3, MBP27T/4. Now you can see and hear your baby sleeping in another room or you can monitor your older children in their playroom.

Please retain your original dated sales receipt for your records.

For warranty service of your Motorola product, you will need to provide a copy of your dated sales receipt to confirm warranty status. Registration is not required for warranty coverage.

For product related questions, please call:

UK	0845 218 0890
ROI	08187 62092

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This User's Guide provides you with all the information you need to get the most from your product.

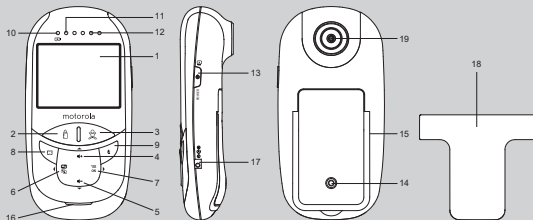
Before you can use the Video Baby Monitor, we recommend you insert and fully charge the battery in the Parent Unit, so that it continues to work if you disconnect it from the power supply to carry it to another location. Please read the Safety Instructions on page 6 before you install the units.








## Got everything?

- 1 x Parent Unit
- 1 x Baby Unit (camera)
- 1 x Rechargeable Ni-MH battery pack for the Parent Unit
- 1 x Power adapter for the Parent Unit
- 1 x Power adapter for the Baby Unit
- 1 x Belt Clip















In multi-camera packs, you will find one or more additional Camera Units with power adapter units.

# Overview of the Parent Unit

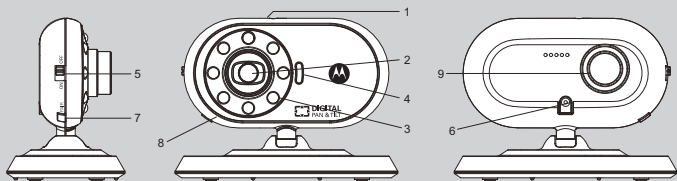


1. Display (LCD screen)
2. Object temperature mode  
Press and hold to measure the liquid temperature
3. Forehead temperature mode  
Press and hold to measure the body temperature at forehead
4. Scroll Up/Volume+ Button 
5. Scroll Down/Volume- Button 
6. Return/Switch Camera Button   
Press to return to previous menu level.  
Press to switch camera units (if paired with more than one camera).
7. Menu/OK Button   
Press to pan left in digital pan/tilt mode.  
Press to open the menu options.  
Press to confirm a selection.  
Press to pan right in digital pan/tilt mode.
8. Digital Pan/Tilt   
Press to enter/exit digital pan/tilt mode
9. Talk Key   
Press and hold to talk back through the camera.
10. The power is ON when indicated by a Blue LED light.
11. Unit ON/OFF LED (Green)
12. Audio Level LED (Green, Orange, Red, Red)
13. Power / Video On-Off Button   
Press and hold to turn the Unit ON or OFF.  
In monitor mode, press to turn the display ON/OFF
14. Battery cover
15. Stand
16. Speaker
17. Power Adapter Socket
18. Belt Clip
19. Probe tip

## Parent Unit menu icons

	Signal Level Indication (5 Levels)
	Night Vision Mode (Video also changes to Black/White)
	Battery Level Indication (4 Levels)
	Volume Level Control (8 Levels)
	Brightness Level Control (8 Levels)
	Alarm Setting (6h, 4h, 2h, OFF)
	Camera setting
	Add Camera
	Delete Camera
	Select Camera
	Digital Pan/Tilt mode On
	Camera scan mode set
	Forehead Temperature Record
	Select C/F

# Overview of Your Baby Unit



- |                                     |                         |
|-------------------------------------|-------------------------|
| 1. Photo Sensor (Night Vision Mode) | 6. Power Adapter Socket |
| 2. Camera Lens                      | 7. Pair Key             |
| 3. Infrared LEDs                    | 8. Microphone           |
| 4. Power LED                        | 9. Speaker              |
| 5. ON/OFF Switch                    |                         |

## Important guidelines for installing your Baby Monitor and the Parent Unit

- To use your Video Monitor Baby and Parent Units together, you must be able to establish a radio link between them, and that range may be effected by environmental conditions.
- Any large metal object, like a refrigerator, a mirror, a filing cabinet, metallic doors or reinforced concrete between the Baby and Parent Unit may block the radio signal.
- The signal strength may also be reduced by other solid structures, like walls, radio or electrical equipment, such as TVs, computers, cordless or mobile phones, fluorescent lights or dimmer switches.
- Use of other 2.4 GHz products, such as wireless networks (Wi-Fi<sup>®</sup> routers), Bluetooth<sup>®</sup> systems, or microwave ovens, may cause interference with this product, so keep the Baby Monitor Monitor at least 1 to 1.5 meters (3 to 4.5 feet) away from these types of products, or turn them off if they appear to be causing interference.
- If the signal is weak, try moving the Parent and/or the Baby Unit to different positions in the rooms.

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# 1. Safety Instructions



## WARNING:

**STRANGULATION HAZARD** - Keep the Unit and adapter cords more than 1 meter from the cot and out of baby's reach. **NEVER** place camera or cords within the cot. **SECURE** the cords. Never use extension cords with AC Adapters. Only use the AC Adapters provided.

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## CAMERA SET UP & USE:

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- Determine a location for the **BABY UNIT** that will provide the best view of your baby in his/her cot.
- Place the **BABY UNIT** on a flat surface, such as a dresser, bureau, or shelf or mount the Unit to a wall securely using the keyhole slots under the stand.
- **NEVER** place the baby unit or cords within the cot.
- Do not place the Baby Unit or cords in the cot or within reach of the baby (the unit and cords should be more than 1 meter away).

## WARNING

*This Digital Video Baby Monitor is compliant with all relevant standards regarding electromagnetic fields and is, when handled as described in the User's Guide, safe to use. Therefore, always read the instructions in this User's Guide carefully before using the device.*

- Adult assembly is required. Keep small parts away from children when assembling.
- This product is not a toy. Do not allow children to play with it.
- This Baby Monitor is not a substitute for responsible adult supervision.
- Keep this user's guide for future reference.
- Keep the cords out of reach of children.
- Do not cover the Baby Monitor with a towel or blanket.

- Test this monitor and all its functions so that you are familiar with it prior to actual use.
- Do not use the Baby Monitor in damp areas or close to water.
- Do not install the Baby Monitor in extreme cold or heat, direct sunlight, or close to a heat source.
- Only use the chargers and power adapters provided. Do not use other chargers or power adapters as this may damage the device and battery pack.
- Only insert a battery pack of the same type.
- Do not touch the plug contacts with sharp or metal objects.
- Connect the power adapters to easily accessible electrical outlets.

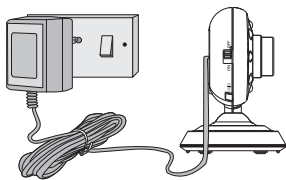
**CAUTION**

*You chance the risk of explosion if battery is replaced by an incorrect type.*

*Dispose of used batteries according to their instructions.*

## 2. Getting Started

### 2.1 Baby Unit Power Supply



1. Connect the small plug of the power adapter to the Baby Unit (camera) and the other end into the electrical outlet.

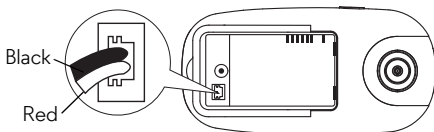
#### **NOTE**

Only use the enclosed power adapter (6V DC / 500mA) with the slightly larger DC plug.

2. Slide the ON/OFF switch to the ON position. The power LED will light up in orange.
3. Slide the ON/OFF switch to the OFF position to turn the Baby Unit off.

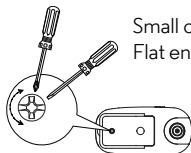
### 2.2 Parent Unit Battery Installation

The supplied rechargeable battery pack should be fitted so the Parent Unit can be moved without losing the link with the camera. Charge the battery in the Parent Unit before first time use and when the Parent Unit indicates the battery is low.



1. Insert the plug of the rechargeable battery pack into the small socket inside the battery compartment as shown above and fit the battery pack into the compartment.

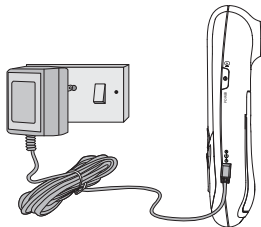




Small cross head or  
Flat end screwdriver.


2. Place the battery cover over the compartment and gently tighten the screw in a clockwise direction using a Small cross head or Flat end screwdriver.





## 2.3 Parent Unit Power Supply




### **IMPORTANT**

*Installing the rechargeable battery pack and charge it fully before first time use is recommended. This allows the Unit to operate on battery in the event of a power failure, or when moving to a different room.*

1. Connect the small plug of the power adapter to the Parent Unit and the other end into the electrical outlet. Only use the enclosed power adapter (6V DC/500mA) with the slightly smaller DC plug.
2. Press and hold the  POWER ON/OFF button for 1 second to turn ON the Parent Unit.
3. Once the Baby and Parent Units are switched on, the display on the Parent Unit will show the video captured by the Baby Unit.

4. If there is not a connection or you are out of range, the video display will go off, the symbol  will flash on the LCD display, and the unit will beep every 9 seconds. (If the unit is on scan  the  symbol displays.) Move the Parent Unit closer to the Baby Unit the link is re-established.
5. Press and hold the  POWER ON/OFF button, until the progress bar scrolls fully across, to turn OFF the Parent Unit.

### **NOTE**

The battery icon  will turn RED, flash, and beep approximately every 5 seconds to indicate the battery is low and needs to be recharged. The battery pack will take approximately 16 hours to charge.












### **When charging**

1. If the Parent Unit is turned OFF, when the adapter is plugged in, it displays a "mains plug" icon briefly, then a large battery icon with internal segments cycling for 60 seconds, before the display goes blank. Note, the unit continues to charge. The Blue LED at top left corner will light up to indicate the adapter is plugged in.
2. If the Parent Unit is turned ON, when the adapter is plugged in, the battery icon in the screen's top right corner will show that the battery is charging by cycling the internal segments. The segments stop cycling when the battery is fully charged. The Blue LED at top left corner will light up to indicate the adapter is plugged in.

## 2.4 Registration (Pairing)

The Baby Monitor Camera is pre-registered to your Parent Unit. You do not need to register it again unless the Baby Unit loses its link with the Parent Unit.

To re-register your Baby Unit, or register a new Baby Unit, follow the procedure below:

1. Press the  button of the Parent Unit and then press the  DOWN button to select the Camera setting icon , and press the  button to enter. Press the  DOWN button to select ADD CAMERA icon , and press the  button to confirm.
2.  1 / 2 / 3 / 4 will pop up, press the  UP button or  DOWN button to select the desired Camera identification number and press the  button to start searching for a Camera Unit. The Green Audio Level LED turns on will appear while searching.
3. Press and hold the PAIR button under the bottom left edge of the Camera Unit until the Parent Unit finds the Camera, beeps and the video from the Camera appears.

### NOTE

*If a particular Baby Unit was registered previously, registering this current Baby Unit again will overwrite the old registration.*

*If a Camera Unit is not found within about 30 seconds, the search will end and the Parent Unit will return to its previous mode.*

## 3. Using the Baby Monitor


### 3.1 Setting up

- Place the Baby Unit in a convenient location (e.g. on a table) and point the camera lens towards the area you want to monitor.
- Adjust the Baby Unit's head angle by rotating the camera up, down, left and right until you are satisfied with the image on the Parent Unit.


#### **NOTE**

*Do not place the Baby Unit within reach of a child or baby(s)! If there is interference with the picture or sound, try moving the units to different locations, and ensure they are not close to any other electrical equipment.*



### 3.2 Night Vision Mode

The Baby Unit has 8 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.

### 3.3 Video ON/OFF

Press the VIDEO ON/OFF button  on the Parent Unit to turn the LCD display on or off, but still leave the audio monitor on.

### 3.4 Talk Mode

Press and hold the  TALK button on the Parent Unit to talk to your baby through the Baby Unit's loudspeaker. The  icon will be displayed at the top of the LCD screen.

### 3.5 Touchless Thermometer

The thermometer is designed to precisely measure the temperature of the forehead (above eye brow and below hair line). Due to the unique body physiology of each person, it is recommended that you take a person's temperature at the same temple location to compare measurements. Please contact your physician or seek medical attention if the fever is high or prolonged.



### 3.5.1 Forehead Temperature Mode

- Always make sure the probe lens is clean and free of any damage. The forehead should be dry and dirt free.
- Place the probe tip about 1 cm away from the middle forehead of the baby (Fig. 1)
- Press and hold the Forehead Temperature button until you hear the beep and the reading displays on the LCD screen.



Figure 1

#### Note:

- Temperature Measurement Range: Forehead temperature mode: 32~42.2°C (89.6~108°F). Normal body temperature range: 36.5~37.2°C (97.8~99°F).*
- Forehead temperature is displayed in oral mode. This mode converts the forehead temperature to display its "oral-equivalent" value.*
- Before the measurement, please stay in a stable environment for approximately 5 minutes. Avoid bathing or strenuous movement for at least 30 minutes prior to taking the measurement. "Normal" body temperature can vary from person to person and may change according to time of day and body location. Drinking hot or cold drinks may change the body temperature by one degree or more.*
- Remember to keep the forehead area clean and away from sweat while taking the temperature.*

### 3.5.2 Object Temperature Mode

Point the probe tip about 1 cm away from the liquid surface. Press and hold the Liquid Temperature button towards the milk or bath tub water. The reading will be displayed on the LCD screen.

#### Note:

- Temperature Measurement Range: Object temperature mode: -20~80°C (-7.6~176°F)*
- Application include temperature measurements for water, milk, cloth, skin or other objects.*
- This mode shows the actual and unadjusted surface temperature which is different from the body temperature.*

## 4. Parent Unit Menu Options

### 4.1 Volume

1. While in monitor mode, press the ▲ UP button or ▼ DOWN button to select the desired volume level from level 1 ~ 8. (The default volume level setting is level 4.)




### 4.2 Brightness

1. Press the  button.
2. To select the BRIGHTNESS icon , press the  button.
3. Press the ▲ UP button or ▼ DOWN button to select the desired brightness level from level 1 ~ 8. (The default brightness level setting is level 4.)
4. Press the  button to return to the monitor mode or the device will automatic return to the monitor mode after 30 seconds.

### 4.3 Digital Pan and Tilt

1. Press the Pan & Tilt  button.
2. Press the ▲ UP button or ▼ DOWN button to move the display view up or down, or press the  and  buttons to pan the display view left and right.












### 4.4 Alarm

1. Press the  button.
2. Press the ▼ DOWN button to show the ALARM icon  and press  button to confirm.
3. Press the ▲ UP button or ▼ DOWN button to select the alarm time (6h, 4h, 2h). (The default setting is Alarm OFF (X).)

If an alarm time is selected, the Parent Unit will beep at the end of the selected 2, 4 or 6 hour period, and the alarm icon will flash red. The alarm is cancelled after 60 seconds or by pressing any button on the Parent Unit.

## 4.5 Camera Control












### 4.5.1 Add (pair) a camera

1. Press the  button.
2. Press the  DOWN button to select the Camera setting icon , and press the  button to enter. Press the  DOWN button to select ADD CAMERA icon  and press the  button to confirm.
3.  1 / 2 / 3 / 4 will pop up, press the  UP button or  DOWN button to select the desired Camera Unit identification number, and press the  button to start searching for a camera unit. The Green Audio Level LED turns on while searching.
4. Press and hold the PAIR button underneath the Baby Unit until the Parent Unit finds the camera, beeps and the picture from the camera appears.

#### NOTE




*A camera can only be registered to one Parent Unit at any one time.*

### 4.5.2 View a camera

1. Press the  button.
2. Press the  DOWN button to select the Camera setting icon , and press the  button to enter. Press the  DOWN button to select VIEW CAMERA icon  and press the  button to confirm.
3.  1 / 2 / 3 / 4 will pop up, press the  UP button or  DOWN button to select the desired Camera unit, and press the  button to view the picture from that camera.

#### TIP

*Quick Method to View Cameras instead of using the menu.*

*Directly press  repeatedly to select  1 / 2 / 3 / 4 or .*



### 4.5.3 Delete a camera

1. Press the button.
2. Press the DOWN button to select the Camera setting icon , and press the button to enter. Press the DOWN button to select DELETE CAMERA icon and press the button to confirm.
3. 1 / 2 / 3 / 4 will pop up, press the UP button or DOWN button to select the desired Camera unit, press the button then press the DOWN button to select the DELETE CAM icon .
4. Press the button to confirm the deletion or RETURN button to exit.

#### NOTE

*You cannot delete the camera if it is the only camera paired in the system.*

### 4.5.4 Scan the cameras

1. Press the button.
2. Press the DOWN button to select the Camera setting icon , and press the button to enter. Press the DOWN button to select and choose the symbol for scan selection.
3. The screen will then display images from each registered camera in a loop, changing about every 10 seconds.

#### TIP

*Quick Method to View Cameras instead of using the menu.*

*Directly press repeatedly to select 1 / 2 / 3 / 4 or .*

#### NOTE

*If the Parent Unit is in scan mode and one of the registered cameras is turned off or out of range, the scan will stop at the missing camera (e.g. camera) and display the 3? icon while emitting a warning beep every 8 seconds.*






#### WARNING

*Check the camera and correct the fault immediately if you are using that camera to monitor your baby.*









*If you want to continue in camera scan mode without that camera, delete the camera (see 4.5.3 Delete a camera) and start the scan again.*



## 4.6 Body Temperature Measurement Review

1. Press the  button.
2. Press the  DOWN button to show the record icon  and press  button to confirm.
3. Press  button to review previous measurement record (body temperature only).

## 4.7 Change of Measurement Scale

1. Press the  button.
2. Press the  DOWN button to show the Thermometer icon  and press  button to confirm.
3. Press the  button to show the C/F selection icon .
4. Press the  UP button or  DOWN button to select.

## 5. Disposal of The Device (environment)

At the end of the product lifecycle, you should not dispose of this product with normal household waste. Take this product to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, user's guide and/or box indicates this.



Some of the product materials can be reused if you take them to a recycling point. By reusing some parts or raw materials from used products you make an important contribution to the protection of the environment.

Please contact your local authorities in case you need more information on the collection points in your area.

Dispose of the battery pack in an environmentally-friendly manner according to your local regulations.

## 6. Cleaning

Clean the MBP27T, MBP27T/2, MBP27T/3, MBP27T/4 with a slightly damp or anti-static cloth.

Never use cleaning agents or abrasive solvents.



### Cleaning and care

- Please make sure the probe is clean to ensure an accurate reading.
- The probe tip is the most delicate part of the thermometer. Use with care when cleaning the probe tip to avoid damage.
- Use a 70% alcohol swab or a soft cotton moistened with 70% alcohol solution to clean the probe lens.
- Allow the probe to fully dry for at least 1 minute.
- Keep the unit dry and away from any liquids and direct sunlight.
- The device should not be submerged into liquids.
- Keep your MBP27T, MBP27T/2, MBP27T/3, MBP27T/4 away from hot, humid areas or conditions, strong sunlight and avoid moisture.
- Every effort has been made to ensure high standards of reliability for your MBP27T, MBP27T/2, MBP27T/3, MBP27T/4. However, if something does go wrong, please do not try to repair it yourself – contact Customer Service for assistance.

## 7. Help

### Display

#### *No display*

- Try recharging or replacing the battery pack.
- Reset the units. Disconnect the battery pack of the Parent Unit and unplug both the units' electrical power, then plug them back in.
- Is the unit turned on?  
Press and hold the ON/OFF button  on the Parent Unit to turn it ON.
- Is the correct camera selected?  
Change the camera number, if necessary.
- Is the video display turned on?  
Press the VIDEO ON/OFF button  to turn it on.
- When operating using batteries only, the Display will go blank after 4 minutes to save power. The unit is still active and will give you audio alerts. You can reactivate the screen by pressing any button.

### Registration

#### *If the Baby Unit has lost its link with the Parent Unit*

- Try recharging or replacing the battery pack.
- If the Baby Unit is too far away it may be going out of range, move the Baby Unit closer to the Parent Unit.
- Reset the units by disconnecting them from the battery and electrical power. Wait about 15 seconds before reconnecting. Allow up to one minute for the Baby Unit and the Parent Unit to synchronise.
- See 2.4 Registration (Pairing), if there is a need to re-register the units.

## Interference





### *Noise interference on your Parent Unit*

- Your Baby and Parent Unit may be too close. Move them farther apart.
- Make sure there is at least 1 to 1.5 meters (3 to 4.5 feet) between the 2 units to avoid audio feedback.
- If the Baby Unit is too far away it may be out of range, try moving the Baby Unit closer to the Parent Unit.
- Make sure the Baby and Parent Unit are not near other electrical equipment, such as a television, computer or cordless/mobile telephone.
- Use of other 2.4 GHz products, such as wireless networks (Wi-Fi® routers), Bluetooth® systems, or microwave ovens, may cause interference with this product, so keep the Baby Monitor away at least 1 to 1.5 meters (3 to 4.5 feet) away from these types of products, or turn them off if they appear to be causing interference.
- If the signal is weak, try moving the Parent and/or Baby Unit to different positions in the rooms.

### *Reasons of Measurement Error*

- **Dirty probe tip**  
Please refer to the cleaning process in the manual to make sure the cleanliness of probe tip.
- **Unstable human status**, such as: hot or cold baths, physical exercise, smoking and or drinking hot and cold beverages, etc.  
Please avoid exercise, bathing for 30 minutes prior, keep the forehead clean and dry before measurement.
- **Unstable environment**, such as: the vent of air conditioning or fan.  
Make sure the thermometer has been at room temperature for 15 minutes before use.
- **Wrong measurement area**  
Users should measure the correct position as Fig. 1 shown on page 13.
- **Wrong measurement way**  
When scanning, the probe should face the middle of the forehead area & the measurement distance should be as close as possible.

## Error Message

	Problem	Solution
 --.---	The system is not functioning properly.	Repower it. If the message reappears, contact the retailer for service.
 --.---	The ambient temperature is not within the range between 10°C and 40°C (50°F ~104°F).	Allow the thermometer to rest in a room for at least 30 minutes at room temperature: 10°C and 40°C (50°F ~104°F).
 --.---	(1) In forehead mode: Temperature taken is higher than +42.2°C (108°F) (2) In surface mode: Temperature taken is higher than +80°C (176°F)	Please select the target within specifications. If a malfunction still exists, please contact the nearest retailer.
 --.---	(1) In forehead mode: Temperature taken is lower than +32°C (89.6°F) (2) In surface mode: Temperature taken is lower than -20°C (-7.6°F)	

## 8. General Information

If your product is not working properly....

1. Read this User's Guide or the Quick Start Guide.
2. Contact Customer Service:  
UK 0845 218 0890  
ROI 08187 62092

To order a replacement battery pack, contact customer service.

### Consumer Products and Accessories Limited Warranty ("Warranty: 12 months")

Thank you for purchasing this Motorola branded product manufactured under license by Binatone Electronics International LTD ("BINATONE").

#### ***What Does this Warranty Cover?***

Subject to the exclusions contained below, BINATONE warrants that this Motorola branded product ("Product") or certified accessory ("Accessory") sold for use with this product that it manufactured to be free from defects in materials and workmanship under normal consumer usage for the period outlined below. This Warranty is your exclusive warranty and is not transferable.

#### ***Who is covered?***

This Warranty extends only to the first consumer purchaser, and is not transferable.

#### ***What will BINATONE do?***

BINATONE or its authorised distributor at its option and within a commercially reasonable time, will at no charge repair or replace any Products or Accessories that does not conform to this Warranty. We may use functionally equivalent reconditioned/ refurbished/ pre-owned or new Products, Accessories or parts.

### ***What Other Limitations Are There?***

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR OR REPLACEMENT PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MOTOROLA OR BINATONE BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR ACCESSORY, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS OR ACCESSORIES TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights that vary from one jurisdiction to another.



Products Covered	Length of Coverage
Consumer Products	<b>One (1) year</b> from the date of the products original purchase by the first consumer purchaser of the product.
Consumer Accessories	<b>Ninety (90) days</b> from the date of the accessories original purchase by the first consumer purchaser of the product.
Consumer Products and Accessories that are Repaired or Replaced	<b>The balance of the original warranty or for Ninety (90) days</b> from the date returned to the consumer, whichever is longer.

## Exclusions

**Normal Wear and Tear.** Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

**Batteries.** Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this Warranty.

**Abuse & Misuse.** Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of MOTOROLA or BINATONE, are excluded from coverage.

**Use of Non-Motorola branded Products and Accessories.** Defects or damage that result from the use of Non-Motorola branded or certified Products or Accessories or other peripheral equipment are excluded from coverage.

**Unauthorised Service or Modification.** Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than MOTOROLA, BINATONE or its authorised service centres, are excluded from coverage.

**Altered Products.** Products or Accessories with (a) serial numbers or date

tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola branded housings, or parts, are excluded from coverage.

**Communication Services.** Defects, damages, or the failure of Products or Accessories due to any communication service or signal you may subscribe to or use with the Products or Accessories is excluded from coverage.

### ***How to Obtain Warranty Service or Other Information?***

To obtain service or information, please call:

UK 0845 218 0890

ROI 08187 62092

You will receive instructions on how to ship the Products or Accessories at your expense and risk, to a BINATONE Authorised Repair Centre.

To obtain service, you must include: (a) the Product or Accessory; (b) the original proof of purchase (receipt) which includes the date, place and seller of the Product; (c) if a warranty card was included in your box, a completed warranty card showing the serial number of the Product; (d) a written description of the problem; and, most importantly; (e) your address and telephone number.

These terms and conditions constitute the complete warranty agreement between you and BINATONE regarding the Products or Accessories purchased by you, and supersede any prior agreement or representations, including representations made in any literature publications or promotional materials issued by BINATONE or representations made by any agent employee or staff of BINATONE, that may have been made in connection with the said purchase.

Manufacture Date: as the serial number (please open the battery cover, it is shown on the inside of the device.)

#### **NOTE**

*The thermometer is calibrated at the time of manufacture. If at any time you question the accuracy of temperature measurements, please contact the dealers or nearest service address.*



motorola



Foshan Shunde Alford Electronics Co Ltd  
[Http://www.alford.com.cn](http://www.alford.com.cn)  
 Add: Xinjiao Industrial Park, Daliang,  
 Shunde, Foshan City, Guangdong province,  
 China.



Shanghai International Trading Corp. GmbH (Hamburg)  
 Add: Eiffestrasse 80, 20537 Hamburg, Germany



Ref No.: 112013

Symbol Descriptions	
	The CE mark and Notified Body Registration Numbers, the requirement of Annex II from Medical Device Directive 93/42/EEC are met.
	Caution
	BF type applied part
	Indicates this device is subject to the Waste Electrical and Electronic Equipment Directive in the European Union. To protect the environment, dispose of useless device at appropriate collection sites according to national or local regulations.
	Please read the instructions for use
	Battery Recycling
	Authorized representative in the European community
	Manufacturer
	Paper Recycling



<b>Guidance and manufacturer's declaration – electromagnetic emissions</b>		
The MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 is intended for use in the electromagnetic environment specified below. The customer or the user of the MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 should assure that it is used in such an environment.		
<b>Emissions test</b>	<b>Compliance</b>	<b>Electromagnetic environment – guidance</b>
RF emissions CISPR 11	Group 1	The MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Not applicable	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Not applicable	

**BINATONE TELECOM PLC**

1 Apsley Way London NW2 7HF, United Kingdom.  
Tel: +44(0) 20 8955 2700 Fax: +44(0) 20 8344 8877  
e-mail: binatoneuk@binatone telecom.co.uk

**EC Declaration of Conformity**

We the manufacturer / Importer : Binatone Telecom Plc  
1 Apsley Way London  
NW2 7HF, United Kingdom.

Declare under our sole responsibility that the following product

Type of equipment: Digital Baby Monitor  
Model Name: MBP27T, MBP27T/2, MBP27T/3, MBP27T/4  
Country of Origin: China  
Brand: Motorola

complies with the essential protection requirements of R&TTE Directive 1999/5/EC on the approximation of the laws of the Member States relating to **Radio Spectrum Matters**, the Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to **electromagnetic compatibility (EMC)** and the European Community Directive 2006/95/EC relating to **Electrical Safety**. Directive 2011/65/EC on the restriction of use of hazardous substances (RoHS) and 2009/125/EC relating to ecodesign requirement for Energy-Related Products (ErP).

Assessment of compliance of the product with the requirements relating to the essential requirements according to Article 3 R&TTE was based on Annex III of the Directive 1999/5/EC and the following standard:

Radio Spectrum:	EN300328 V1.7.1:2006
EMC:	EN301489-17 V2.2.1:2009, EN301489-1 V1.8.1:2008
Electrical Safety:	EN60950-1/A12: 2011
RF safety:	EN62311/EN62479
Medical:	IEC 60601-1:2005+A1:2012 IEC 60601-2:2007 IEC 60601-1-11:2010 IEC80601-2-56:2009

The product is labelled with the European Approval Marking CE as show. Any Unauthorized modification of the product voids this Declaration.



Manufacturer / Importer  
(Signature of authorized person)

A handwritten signature in black ink, appearing to read "Karl Heinz Mueller".


Karl Heinz Mueller / Chief Technical Officer

London, 24 Sept, 2013

Place & Date

**Guidance and manufacturer's declaration – electromagnetic immunity**

The MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 is intended for use in the electromagnetic environment specified below. The customer or the user of the MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	Not applicable	<p>Portable and mobile RF communications equipment should be used no closer to any part of the MBP27T/MBP27T-2/MBP27T-3/MBP27T-4, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.</p> <p><b>Recommended separation distance</b></p> $d = 1,2 \sqrt{P}$ $d = 1,2 \sqrt{P} \quad 80 \text{ MHz to } 800 \text{ MHz}$ $d = 2,3 \sqrt{P} \quad 800 \text{ MHz to } 2,5 \text{ GHz}$ <p>where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, a should be less than the compliance level in each frequency range b.</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2,5 GHz	3 V/m	

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

- Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 is used exceeds the applicable RF compliance level above, the MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the MBP27T/MBP27T-2/MBP27T-3/MBP27T-4.
- Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

**Guidance and manufacturer's declaration – electromagnetic immunity**



The MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 is intended for use in the electromagnetic environment specified below. The customer or the user of the MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	6 kV contact 8 kV air	6 kV contact 8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transient/burst IEC 61000-4-4	2 kV for power supply lines 1 kV for input/output lines	Not applicable	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	1 kV line(s) to line(s) 2 kV line(s) to earth	Not applicable	Mains power quality should be that of a typical commercial or hospital environment.
interruptions and voltage variations on power supply input lines  IEC 61000-4-11	<5 % UT (>95 % dip in UT) for 0,5 cycle  40 % UT (60 % dip in UT) for 5 cycles  70 % UT (30 % dip in UT) for 25 cycles  <5 % UT (>95 % dip in UT) for 5 sec	Not applicable	Mains power quality should be that of a typical commercial or hospital environment. If the user of the MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 requires continued operation during power mains interruptions, it is recommended that the MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field  IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

NOTE UT is the a.c. mains voltage prior to application of the test level.

**Recommended separation distances between portable and mobile RF communications equipment and the ME EQUIPMENT or ME SYSTEM**

The MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the MBP27T/MBP27T-2/MBP27T-3/MBP27T-4 as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = 1,2 \sqrt{P}$	80 MHz to 800 MHz $d = 1,2 \sqrt{P}$	800 MHz to 2,5 GHz $d = 2,3 \sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance  $d$  in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where  $P$  is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.



## Technical Specifications

### Baby Unit

Frequency	2.4 GHz to 2.48 GHz
Image sensor	colour CMOS 0.3M Pixels
Lens	f 2.5mm, F 2.4
IR LED	8 pcs
Power	Adapter: 5E-AD 060050-U; Input: 100-240V, 50/60Hz 300mA; Output: 6V, 500mA OR Adapter: BLJ5W060050P; Input: 100-240V, 50/60Hz 150mA; Output: 6V, 500mA <b>WARNING</b> Use only with provided power supply.

---

**Parent Unit**

Frequency	2.4 GHz to 2.48 GHz
Display	2.4" diagonal
Display colours	16M colour LCD
Brightness control	8 steps
Volume control	8 steps
Power	<p>Adapter: 5E-AD 060050-U; Input: 100-240V, 50/60Hz 150mA; Output: 6V, 500mA</p> <p>OR</p> <p>Adapter: BLJ5W060050P; Input: 100-240V, 50/60Hz 150mA; Output: 6V, 500mA</p> <p><b>WARNING</b></p> <p>Use only with provided power supply.</p> <p>OR</p> <p>Battery: Model - JUSTHIGH Ni-MH AAA 3 x 1.2V 900mAh rechargeable battery pack</p> <p><b>WARNING</b></p> <p><i>Do not use non-rechargeable batteries for the Parent Unit. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.</i></p>
Temperature measurement range of the touchless thermometer	<p>Forehead mode: 32~42.2°C (89.6~108°F)</p> <p>Surface mode: -22~80°C (-4~176°F)</p>
Accuracy	<p>Forehead mode: 0.3°C (±0.5°F). This thermometer converts the forehead temperature to display its "oral equivalent."</p> <p>Surface mode: 0.3°C (±0.5°F) within 22~42.2°C (71.6~108°F), others ±4% or 2°C (±4°F) whichever is greater</p>

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Enclosure rating	IP22
Compliance	Comply with ASTM E1965-98, IEC/EN60601-1-2(EMC), IEC/EN60601-1(Safety) standards.
Note	Keep the device away from hot or boiling water and chemicals. There is no gender and age limitation for using the infrared thermometer.



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