



motorola



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# User's Guide

Digital Video Baby Monitor

Models: MBP48, MBP48-2, MBP48-3, MBP48-4

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

# Welcome...

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

Thank you for purchasing your new Motorola Digital Video Baby Monitor. 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.

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

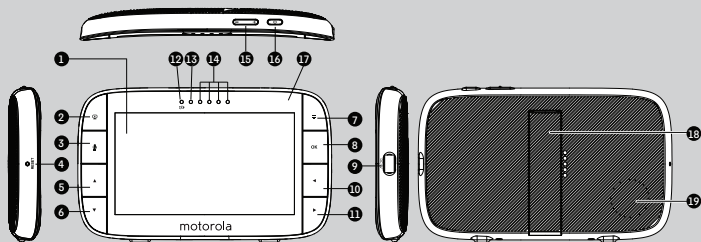
Before you can use the Baby Monitor, we recommend you fully charge the battery in the Parent Unit, so that it continues to work if you disconnect it from the power supply to carry it to another location. Please read the Safety Instructions on pages 7-9 before you install the units.

## **Got everything?**

- 1 x Parent Unit
- 1 x Baby Unit (Camera)
- 1 x Power adapter for the Parent Unit
- 1 x Power adapter for the Baby Unit
























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

# Overview of the Parent Unit

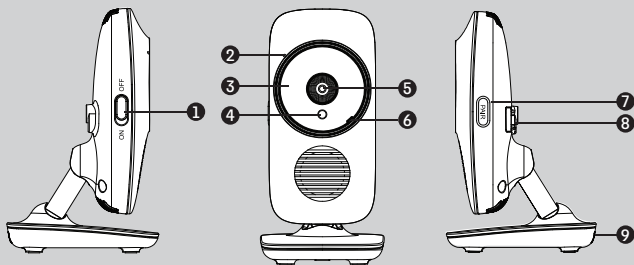


1. Display (LCD screen)
2. VIDEO ON/OFF button Press to turn the LCD screen ON/OFF
3. TALK button Press and hold to speak to your baby
4. RESET button (recessed - use small pin)
5. UP button Zoom mode: Press and hold to move up the image.  
Menu Mode: Move Up menu options
6. DOWN button Zoom mode: Press and hold to move down the image.  
Menu Mode: Move Down menu options
7. MENU button Press to open / close the Menu options
8. OK button **OK**
9. Micro USB power adapter connector
10. LEFT button Zoom mode: Press and hold to move left across the image.  
Menu Mode: Move Left along menu options
11. RIGHT button Zoom mode: Press and hold to move right across the image.  
Menu Mode: Move Right along menu options
12. Charging LED: RED when mains power connected.
13. Parent Unit ON/OFF LED (Green)
14. Audio Level LEDs (Green, Amber, Red, Red)
15. Volume buttons Press +/- to decrease/increase Volume level on Parent Unit
16. Power button Press and Hold to turn the Parent Unit ON//OFF.  
Press to turn the screen off (audio stays on and any button turns screen back on).
17. Microphone
18. Stand
19. Speaker

## Parent Unit menu icons

	Signal Level Indication (5 Levels)
	Night Vision Mode (Video also changes to Black/White)
	Talk Mode On
	Battery Level Indication (4 Levels). Empty cell flashes when battery low.
	Zoom Level Control (1X, 2X)
	Brightness Level Control (5 Levels)
	Lullaby Control (5 Sound Selections)
	Alarm Setting (6h, 4h, 2h, Off) On status bar, indicates alarm set, and when flashing, that alarm time has been reached or missed.
	Temperature scale select (°C / °F) Displays the temperature up to 52°C/125°F, and down to 02°C/35°F. (Temperatures outside these still show as the maximum or minimum.)
	Temperature scale select (°C / °F)
	Temperature warning limits (Min / Max)
	Temperature warning alert (On / Off)
	Camera Control (add  , delete  )
	Indicates camera 1 selected (or 2, 3, 4, as selected).
	Indicates camera scan on
	Set Screen Off Timer (Off  , 5 min, 30 min, 60 min)
	Indicates the screen off timer is set
	Volume Level Control (8 Levels + Off)
	Volume turned off
	No Baby Unit detected

## Overview of the Baby Unit



**1. POWER ON/OFF switch**

Slide to turn the Baby Unit on or off.

**2. Microphone**

**3. Infrared LEDs (6)**

**4. Light Sensor (Night Vision Mode)**

**5. Camera Lens**

**6. Power/Link indicator**

Lights up in green when the Baby Unit is turned on and linking to the Parent Unit.

Flashes when the Baby Unit is searching for the Parent Unit, or in pairing mode.

Off when the Baby Unit is powered off.

**7. PAIR button**

Press and hold to pair with a Parent Unit.

**8. Power Adapter Connector**

**9. Temperature Sensor**

## Important guidelines for installing your Baby Monitor

- To use your Video Monitor Baby and Parent Units together, you must be able to establish a radio link between them, and the range will be affected 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, or by 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 away at least 3 feet 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 room(s).



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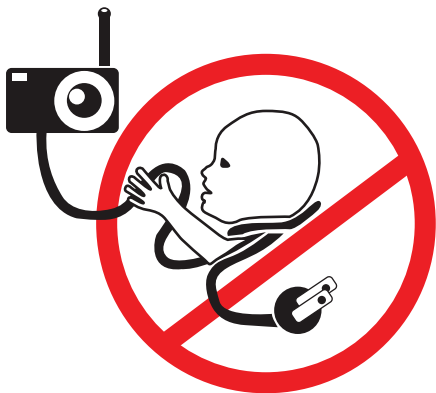
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## 1. Safety Instructions



### WARNING:

Strangulation Hazard: Children have **STRANGLED** in cords. Keep this cord out of the reach of children (more than 1m (3ft) away). Never use extension cords with AC Adapters. Only use the AC Adapters provided.





## Baby Unit SET UP & USE:

- Choose a location for the Baby Unit that will provide the best view of your baby in their crib.
- Place the Baby Unit on a flat surface, such as a dresser, desk, or shelf or mount the Unit to a wall securely using the keyhole slots on the underside of the stand.
- **NEVER** place the Baby Unit or cords in the crib or within reach of the baby (the unit and cords should be more than 3 feet 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.
- Do not place the Baby Unit or cords in the crib or within reach of the baby (the unit and cords should be more than 3 feet away)
- Keep the cords out of reach of children.
- Do not cover the Baby Monitor with a towel or blanket.
- Never use extension cords with power adapters. Only use the power adapters provided.
- Test this monitor and all its functions so that you are familiar with it prior to actual use.
- Do not use the Baby Monitor near water.
- Do not place the Baby Monitor near 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.
- Do not touch the plug contacts with sharp or metal objects.

**CAUTION**

*The Parent Unit includes a built-in, lithium-ion rechargeable battery pack, which is not a user-accessible item. If you think the battery needs replacing, please contact the helpline. Do not try to replace it yourself.*

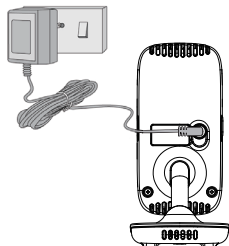
*Risk of explosion if battery is replaced by an unapproved battery type.*

*Dispose of used batteries according to their instructions.*

The Unit should be set up and used so that parts of the user's body other than the hands are maintained at a distance of approximately 8 inches (20 cm) or more.

## 2. Getting Started

### 2.1 Baby Unit Power Supply



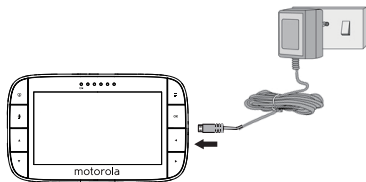
1. Connect the small plug of the power adapter to the Baby Unit (camera) and the other end to a suitable mains power outlet.

#### NOTE

Only use the enclosed power adapter (6V DC / 500mA).





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

### 2.2 Parent Unit Power Supply




#### IMPORTANT

The Parent Unit is assembled with a built-in rechargeable battery pack (Lithium-ion battery 2000mAh, to give up to 5 hours monitor operation), please charge it for 16 hours before initial use. The battery is not a user-accessible item. Please contact the helpline if you think it needs replacing.

1. Connect the micro USB plug of the power adapter to the Parent Unit and the other end to a suitable mains power outlet. Only use the enclosed power adapter (5V DC / 1000mA) with the micro USB plug.
2. Press and hold the  POWER ON/OFF button for 3 seconds 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 color video captured by the Baby Unit, but if the baby's room is dark, the video will display in black and white, with a  icon showing, due to the infra-red illumination by the Baby Unit.
4. If there is no connection or you are out of range, the video display will go off, a  symbol will appear on the screen, and the Parent Unit will beep repeatedly. Move the Parent Unit closer to the Baby Unit until the link is re-established.
5. Press and hold the  POWER ON/OFF button, until the Parent Unit On-Off LED turns off, to turn OFF the Parent Unit.

#### NOTE

The battery icon  turns RED to indicate that the battery is low, and the parent unit will beep about every 15 seconds. The battery needs to be recharged; it will take 16 hours to charge fully.
















#### When charging

1. If the Parent Unit is turned OFF when the adapter is plugged in, it will turn on automatically and the Parent Unit On-Off LED at the top left will light up; indicating that the adapter is plugged in and charging is continuing.
2. Whilst the power is ON, and the adapter is plugged in, the battery icon at the top right corner of the screen will show that the battery is charging.

## 2.3 Registration (Pairing)

The Baby Monitor 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 procedures below:

1. Press the  button of the Parent Unit and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  is highlighted, and the  del/  add menu will pop up.
3. Press the  UP button or  DOWN button to select  add, and press the **OK** button to confirm.
4. Camera  \*1 /  2 /  3 /  4 will pop up, press the  UP button or  DOWN button to select the desired Camera and press the **OK** button to start searching for a camera unit, with "**Press PAIR on cam**" shown.  
**Note:** If a camera is currently paired with the Parent Unit, its camera location (with a \* against it) cannot be selected for a new registration.
5. Press and hold the **PAIR** button on the side of the Baby Unit until the Parent Unit finds the camera, beeps and PAIR OK appears on the screen. The video from the camera will then appear.

### NOTE

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

## 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 angle of the Baby Unit's camera by moving it up, down, left and right until you are satisfied with the image shown on the Parent Unit.



#### NOTE

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


### 3.2 Night Vision Mode

The Baby Unit has 6 high-intensity infrared LEDs for picking up clear images in the dark. When the built-in photo sensor on the front 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 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.

### 3.4 Video ON/OFF

Press  VIDEO ON/OFF button to turn the LCD screen on or off, whilst still leaving the audio monitor on.





## 3.5 Temperature Display

The temperature reading from the temperature sensor at the back of the Baby Unit will be displayed at the top of the LCD screen in °C or °F (see **4.7 Temperature** for how to change). If the temperature alert function is switched on, the parent unit will emit an alert tone if the temperature goes above the maximum setting or below the minimum setting, and will display a temperature warning icon in the middle of the screen (see **4.7 Temperature** for how to set the alert and its limits).

## 4. Parent Unit Menu Options







### 4.1 Volume

1. Press the Volume button - or + to adjust the volume level, the  icon will pop up and you can select the desired volume level from level 0~8. (The default volume level setting is level 4, which is where it returns after being switched off, and level 0 is OFF .)

### 4.2 Brightness

1. Press the  button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  is highlighted.
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.)









### 4.3 Lullaby Sounds

1. Press the  button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  is highlighted.
3. Press the  UP button or  DOWN button to select from the 5 sounds available. If a sound is selected, it will repeat continually until it is unselected although it will be paused while the TALK button is pressed. (The default setting is lullaby OFF.)

### 4.4 Zoom
















1. Press the  button and the menu bar will pop up with  highlighted.
2. Press the  UP button or  DOWN button to select **Zoom In** or **Zoom Out**. (The default setting is **Zoom Out**.)

### 4.5 Alarm

1. Press the  button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  is highlighted.
3. Press the  UP button or  DOWN button to select the alarm time (6h, 4h, 2h), and the  will turn on. (The default setting is Alarm OFF.)
4. If an alarm time is selected, the Parent Unit will beep about every 12 seconds after every 6, 4 or 2 hour period, and the  will flash. Press any button to stop the alarm.

## 4.6 Camera Control






### 4.6.1 Add (pair) a camera

1. Press the  button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  is highlighted, and the  del/  add menu will pop up.
3. Press the  UP button or  DOWN button to select  add, and press the **OK** button to confirm.
4. Camera     will pop up, press the  UP button or  DOWN button to select the desired Camera, and press the **OK** button to start searching for a camera unit.  
**Note:** If a camera is currently paired with the Parent Unit, its camera location (with a \* against it) cannot be selected for a new registration.
5. Press and hold the **PAIR** button on the side of the Baby Unit until the Parent Unit finds the camera, beeps and PAIR OK appears on the screen. The video from the camera will then appear.



















#### NOTE

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

### 4.6.2 View a camera

1. Press the **OK** button repeatedly to select the available Camera options from     .

### 4.6.3 Delete a camera

1. Press the  button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  is highlighted, and the  del/  add menu will pop up.
3. Press the  UP button or  DOWN button to select  del, and press the **OK** button to confirm.
4. Camera     will pop up, press the  UP button or  DOWN button to select the desired Camera, and press the **OK** button.
5. Press the  UP button or  DOWN button to select , then press the **OK** button to delete that registration.


#### Note:

*You are not allowed to delete the camera if there is only one registered camera in the system.*











## 4.6.4 Scan camera

This function is only available when you have more than 1 Baby Unit (Camera).

1. Press the **OK** button repeatedly until  scan, displays on the status bar.
2. The screen will then display images from different registered cameras in a loop of Camera **\*1** / **2** / **3** / **4** , changing about every 12 seconds.











## 4.7 Temperature

### 4.7.1 Temperature scale setting

1. Press the  button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  is highlighted.
3. Press the  UP button to select  .
4. Press **OK**, then  UP /  DOWN to select °C or °F.
5. Press **OK** to confirm.








### 4.7.2 Temperature alert limits

The minimum temperature alert limit can be set from 10-24°C or 50-76°F, and the maximum limit from 25-39°C or 77-102°F.

1. Press  and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  is highlighted.
3. Press the  UP button to select  .
4. Press **OK**, then  UP /  DOWN to select **Max** or **Min**.
5. Press **OK**, then  UP /  DOWN to change the temperature alert setting.
6. Press **OK** to confirm, and repeat from 4. for the other limit.







### 4.7.3 Temperature alert On/Off

The temperature alert can be set On or Off.

1. Press the  and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  is highlighted.
3. Press **OK** to select  .
4. Press  UP /  DOWN to select **On** or **Off**.
5. Press **OK** to confirm your choice.



## 4.8 Power Saving mode

1. Press the  button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  is highlighted.
3. Press the  UP button or  DOWN button to select auto video off after 5 mins, 30 mins or 60 mins.

**Note:**

*The audio will stay on and you can press any key to switch the video back on.*

## 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.

The internal battery should be disposed of with the Parent unit in an environmentally-friendly manner according to your local regulations.

## **6. Cleaning**

Clean the Baby Monitor with a slightly damp cloth or with an anti-static cloth. Never use cleaning agents or abrasive solvents.



### **Cleaning and care**

- Do not clean any part of the product with thinners or other solvents and chemicals – this may cause permanent damage to the product which is not covered by the warranty.
- Keep the Baby Monitor away from hot, humid areas or strong sunlight, and don't let it get wet.
- Every effort has been made to ensure high standards of reliability for your Baby Monitor. 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 press the RESET button once.
- Reset the units. Press the RESET button once on the Parent Unit and unplug both the units' electrical power, then plug them back in.
- Is the unit turned on (green ON/OFF LED lit)?  
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 5 minutes or 30 minutes or 60 minutes to save power (depending on video settings). 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 press the RESET button once on the Parent Unit.
- If the Baby Unit is too far away it may be going out of range, so move the Baby Unit closer to the Parent Unit.
- Reset the units by disconnecting the Baby Unit from electrical power and press the RESET button once on the Parent Unit. Wait about 15 seconds before reconnecting. Allow up to one minute for the Baby Unit and the Parent Unit to synchronise.
- See 2.3 Registration (Pairing), if there is a need to re-register the units.

## Interference

### ***Noise interference on your Parent Unit***

- Your Baby and Parent Units may be too close. Move them farther apart.
- Make sure there is at least 1 to 2 metres between the 2 units to avoid audio feedback.
- If the baby unit is too far away it may be out of range, so move the Baby Unit closer to the Parent Unit.
- Make sure the Baby and Parent Units 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<sup>®</sup> routers), Bluetooth<sup>™</sup> systems, or microwave ovens, may cause interference with this product, so keep the baby monitor away at least 1.5m (5ft) 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.

## Technical Specifications

### Baby Unit

Frequency	2.4 GHz to 2.48 GHz
Image sensor	color CMOS 1M Pixels
IR LED	6 pcs
Power Adapter	Ten Pao International Ltd. S003GU0600050 Input: 100-240V AC, 50/60Hz, 150mA; Output: 6V DC / 500mA

#### **WARNING**

Use only with supplied power supply.

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**Parent Unit**

Frequency	2.4 GHz to 2.48 GHz
Display	5" diagonal TFT LCD
Display colors	16.7M color LCD
Brightness control	5 steps
Volume control	8 steps + Off
Power Adapter	Ten Pao International Ltd. S005ANU0500100 Input: 100-240V AC, 50/60Hz, 200mA; Output: 5.0V DC, 1000mA

**WARNING**

Use only with provided power supply.

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Battery (built-in)	Lenovo (BL253) 3.8V, 2000mAh Lithium-Ion Polymer, rechargeable battery pack (gives up to 5 hours operation)
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**WARNING**

*Do not attempt to replace the battery, but contact Customer Service if it needs replacing.*

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