MOTOROLA

User's Guide
MBP20

Baby Monitor

The features described in this user's guide are subject to modifications without prior notice.

Welcome...

to your new Motorola Baby Monitor!

Thank you for purchasing the MBP20. Now you can see and hear your baby sleeping in the other room or you can monitor your older children in their play room.

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:

US and Canada   1-888-331-3383
**On the Web: www.motorola.com**

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 insert and fully charge the battery in the parent unit, so that it continues to work if you disconnect it from the mains power to carry it to another location. Please read the Safety Instructions on page 8 before you install the units.

Got everything?

- 1 x Parent unit (MBP20PU)
- 1 x Baby unit (MBP20BU)
- 1 x Rechargeable Ni-MH battery pack for the Parent unit
- 1 x Belt clip for parent unit
- 1 x Battery door for parent unit
- 1 x Power adapter for the parent unit
- 1 x Power adapter for the baby unit

Overview of your Parent unit
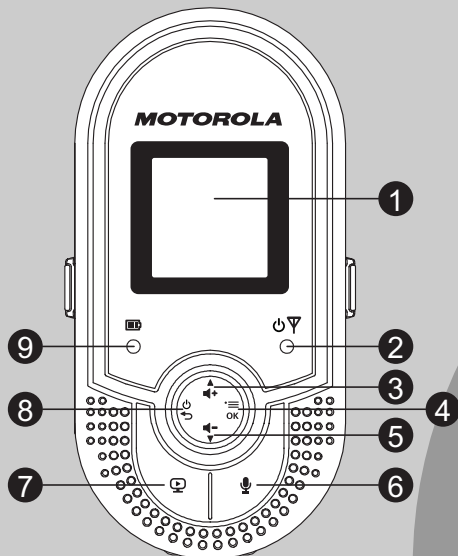
1 LCD Display

2 Link Indicator
On when the parent unit is powered on and linked to the baby unit.
Flashes when the parent unit is out of range from baby unit.
Off when the parent unit is powered off.

3 UP / Volume +
In idle mode: Press to increase the speaker volume.
In menu mode: Press to view the previous menu item.

4 Menu / OK
In idle mode: Press to access the main menu.
In menu mode: Press to access the sub-menu, or confirm the settings.

5 DOWN / Volume -
In idle mode: Press to decrease the speaker volume.
In menu mode: Press to view the next menu item.

6 Talk
In idle or menu mode: Press and hold to talk back with baby unit. Release to quit the talk mode.

7 Video On / Off
In monitoring mode: Press to deactivate/activate the video feed or turn on/off the LCD display.
In menu mode: Press to go to the monitoring mode.

8 Power / Back
In idle or menu mode: Press and hold to power on/off the parent unit.
In menu mode: Press to cancel settings and back to the previous level.

9 Charging Indicator

On steadily when in charging mode.

Flashes when low battery is detected.

NOTE

Off even if connected with power adapter but without battery pack installed.

Parent Unit Display

Icons Behaviors Description

Indicates the signal strength between baby unit and parent unit. The more blocks, the stronger connection signal.

Flashes when parent unit is out of range.

Indicates no connection between the baby unit and parent unit.

Indicates when speaker of parent unit is muted.

Indicates the speaker volume level of parent unit.

Indicates when parent unit or baby unit is playing lullaby.

Indicates when timer alarm is activated.

Indicates when the sound alert is set on.

Low battery, needs charging.

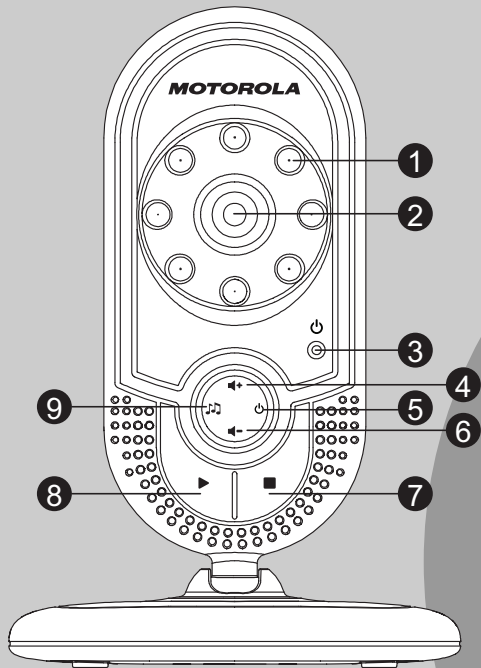1/2 battery level. More internal bars mean high battery level.

Full battery level.

Animation in cycle. Battery is in charging.

Menu Structure of Parent Unit

MAIN MENU	LANGUAGE	TIMER	BRIGHTNESS	SOUND ALERT	ALERT TONES	RESET
SUB MENU	English	Activation	Level 1 ~ 5	On	Low Battery	
	Français	Set Timer		Off	No Link	
	Español					
	Deutsch					
	Italiano					
	Português					

Overview of your Baby unit

1 **Infrared Light**
2 **Camera**
3 **Power Indicator**
   On when the baby unit is switched on.
   Off when the baby unit is switched off.
4 **UP / Volume +**
   Press to increase the speaker volume.
5 **Power**
   Press and hold to power on/off the baby unit.
6 **DOWN / Volume -**
   Press to decrease the speaker volume.
7 **Stop**
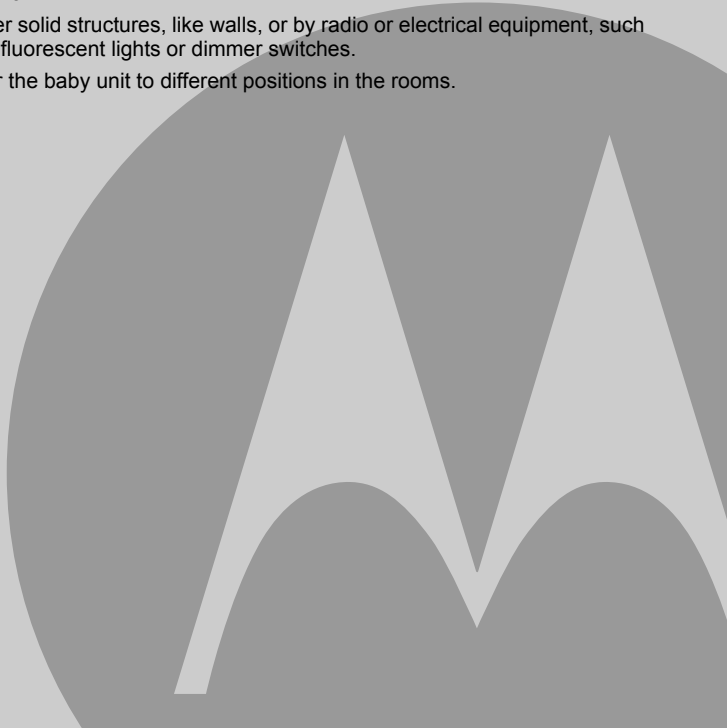   Press to stop the lullaby playing.
8 **Play**
   Press to play the lullaby.
9 **Lullaby**
   Press to select the lullaby and start playing the selected lullaby.
   During lullaby playing, press to select and play the other lullabies.

Important guidelines for installing our Baby Monitor

- To use your baby unit and parent unit 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, a 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 TV's, computers, cordless or mobile phones, fluorescent lights or dimmer switches.
- If the signal is poor, 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 adapter cord out of baby's reach.
NEVER place the baby monitor or its cord within the crib. Secure the cord some distance away from baby's reach. Never use extension cords with AC Adapters. Only use the AC Adapters provided.

This 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.

- Determine a location for the baby monitor that will provide the best audio reception of your baby in his crib.
- Place the baby monitor on a flat surface, such as a dresser, bureau, or shelf.
- NEVER place the baby monitor or its cord within the crib.
- Secure the cord to the wall to keep cord away from the baby's reach.
- Adult assembly is required. Keep small parts away from children when assembling.

- This product is not a toy. Don't 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 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 install 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.
- Only insert battery pack of the same type.
- Do not touch the plug contacts with sharp or metal objects.

CAUTION

Risk of explosion if battery is replaced by an incorrect type.
Dispose of used batteries according to the instructions.
Use only battery pack with rating: 2.4V 600mAh.

2. GETTING STARTED

2.1 Baby unit power supply
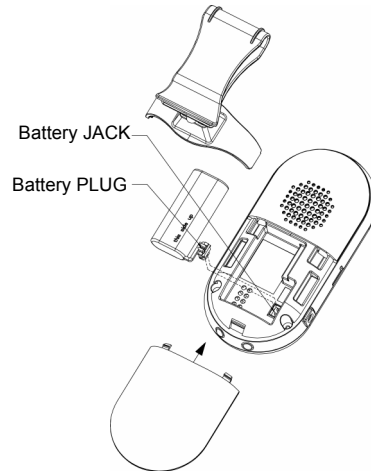

DC JACK

DC PLUG
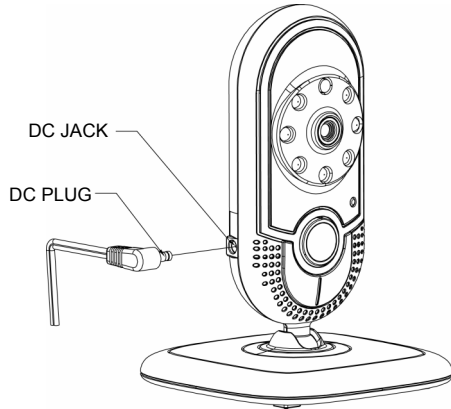
1. Insert the power adapter with smaller pin plug into the side of the baby unit, as shown.

2. Connect the other end of the power adapter to the mains socket.

NOTE

Only use the provided power adapter.

2.2 Parent unit battery installation

The parent unit comes with battery pack. Charge the parent unit before you use it for the first time or when the parent unit indicates that the battery is low.

Battery JACK

Battery PLUG

1. Take off the belt clip.

2. Slide off the battery compartment cover.

3. Insert the supplied battery pack, and fit the battery pack into the compartment.

4. Reattach the battery compartment cover, and reinstall the belt clip (refer to section 2.3).

5. Insert the power adapter with bigger pin plug into the side of the parent unit.

6. Connect the other end of the power adapter to the mains socket.

7. The **Charging Indicator** comes on.

NOTE
Only use the provided power adapter.

2.3 Belt clip on parent unit
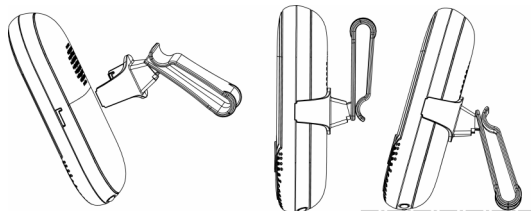
1. Attach the belt clip to the lock slots on the back sides.

2. On normal state, the belt clip could be hanged on the belt directly.

3. Lift up the belt clip and rotate 180°, then the parent unit could stand on the desk. Do NOT hang on the human body.

3. USING YOUR BABY MONITOR

Please read these instructions carefully, and be reminded that this baby monitor is just intended as an aid. It is not a substitute for responsible, correct parental supervision.

3.1 Power on/off the parent unit

1. Provided the parent unit is off, press and hold ☺ until the **Link Indicator** is on. The parent unit is now powered on and the parent unit will search for and link itself to the baby unit.

2. Provided the parent unit is on, press and hold ☺ until the **Link Indicator** is off. The parent unit is now powered off.

3.2 Power on/off the baby unit

1. Provided the baby unit is off, press and hold ⏻ until the **Power Indicator** is on. The baby unit is now powered on.

2. Provided the baby unit is on, press and hold ⏻ until the **Power Indicator** is off. The baby unit is now powered off.

NOTE

If you place the parent and baby units too close together, you will hear a high pitched noise, this is normal. The units are designed to be located at a distance from one another, e.g. in separate rooms.

3.3 Adjust speaker volume of parent unit and baby unit

There are 5 volume levels on the baby unit, and 6 levels on the parent unit, including VOLUME OFF. The volume level of parent unit will be shown on the status bar when you adjust the volume.

1. Press ◀+ or ◀- on the parent unit or ◀+ or ◀- on baby unit to access the current volume level.

2. Press ◀+/◀+ to increase or ◀-/◀- to decrease the volume of the parent unit or baby unit respectively. The 🔇 will be displayed if the volume is turn off on parent unit.
An audible alert will emit when you reach the highest or lowest volume level.

Changing the volume setting on the baby unit affects the volume when you use the Talk Back feature and when playing a lullaby.

3.4 Talk Back

You can use the Talk Back feature to comfort and reassure your baby.

Whilst using Talk Back you will not be able to hear your baby until you release the button.

1. Press and hold 🎤 on the Parent unit to speak to baby. The 🔇 will be displayed on parent unit status bar.

2. Release to hear your baby again.

3.4.1 Adjust talk back volume

The baby unit has 5 volume levels from Level 1 to Level 5.

During Talk Back, press ◀+ or ◀− on the baby unit to increase or decrease the volume respectively.

NOTE

If lullaby is playing before talkback starts, the lullaby playback will be paused. After finished talking back, it will play the lullaby from the beginning again.

3.5 Temperature

The baby unit constantly monitors the temperature in your baby's room. The temperature is displayed clearly on the parent unit in idle screen. However, it is just for reference only. There may be slight tolerance of the degree accuracy comparing with the actual temperature. Therefore, please pay more attention on the actual temperature in your baby's room.

When the temperature detected is lower than 14°C (or 57°F), screen of parent unit will show the alert message "Too cold!", or when higher than 39°C (or 102°F), will show "Too hot!". Please check your baby immediately when such alert message is triggered.

3.6 Lullaby

There are 3 lullabies available for playing to smooth your baby.

1. Press 🎵 on the baby unit key to select the lullaby and start playing.
2. During playback, press 🎵 to toggle between different lullabies.
   OR
   Press ▶ on the baby unit to start playing the selected lullaby. Press ■ to stop playing.

3.7 Video on/off and video transfer

Up to two parent units can be used concurrently on the same baby unit. However, only one parent unit can monitor the video at one time. You can switch the video feed between these two parent units.

The first powered up parent unit will connect to the baby unit automatically, and the parent unit powered up later will show ANOTHER PU IS VIDEO MONITORING! for around 30 seconds, and then the screen will be blank. Further press 💭 will turn off the screen.

If there is only one parent unit connected to the baby unit, press 💭 to turn on/off the video monitoring.

NOTE

Even if another parent unit does not display video, but it will still monitor the audio transmission from baby unit.

To switch the video feed to the other parent unit which is not in video monitoring mode:

1. Press 🖵 on the parent unit which is in video monitoring mode, the screen will be blank without video transmission.

2. Press 🖵 on the other parent unit which is NOT in video monitoring mode, the video feed will be switched to the other parent unit.

4. Parent unit settings

4.1   Set the language

1. Press ⊙ℝ to access main menu.
2. Press ◀+ or ◀ to select **LANGUAGE**.
3. Press ⊙ℝ to enter the sub-menu.
4. Press ◀+ or ◀ to select the desired language.
5. Press ⊙ℝ to confirm.

4.2   Timer

With the countdown timer, you can make the parent unit to remind you something as an alarm, like feeding or playing with the baby.

4.2.1   Turn on the timer

1. Press ⊙ℝ to access main menu.
2. Press ◀+ or ◀ to select **TIMER**.
3. Press ⊙ℝ to enter the sub-menu.
4. Press ◀+ or ◀ to select **ACTIVATION**.
5. Press ◀+ or ◀ to select **ON** or **OFF**.
6. If you select **ON**, your will be prompted to select the alarm frequency from **ONCE** or **REPEATED**.
7. Press ⊙ℝ to confirm.

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4.2.2 Set the timer

1. Repeat steps 1 to 3 in section 4.2.1.

2. Press ◀+ or ◀- to select **SET TIMER**.

3. Press **OK** and then enter the hour and minute.

4. Press **OK** to confirm.

NOTE

When the countdown timer reaches, an alert will emit with timer icon and 00:00 shown on the screen.

Press any key on parent unit to stop the alert.

4.3 Set the brightness

1. Press **OK** to access main menu.

2. Press ◀+ or ◀- to select **BRIGHTNESS**.

3. Press **OK** to enter the sub-menu to set the brightness level.

4. Press ◀+ or ◀- to select from **LEVEL 1** to **LEVEL 5**. You can preview the brightness when scrolling the menu list.

5. Press **OK** to confirm.

NOTE

Lower brightness level can help to save the power.

4.4 Sound alert

If the sound alert is set on, the parent unit will emit sound alert when the noise level from the baby unit reaches a certain sensitivity level while the speaker volume of parent unit is switched off.

1. Press **OK** to access main menu.

2. Press ◀+ or ◀- to select **SOUND ALERT**.

3. Press **OK** to enter the sub-menu.

4. Press ◀+ or ◀- to turn on or off the sound alert.

5. Press **OK** to confirm

4.5 Alert tones

If you turn on the alert tone, when the respective event happens, an alert screen will be displayed on the parent unit with an alert tone emitted simultaneously.

1. Press **OK** to access main menu.

2. Press ◀+ or ◀- to select **ALERT TONES**.

3. Press **OK** and ◀+ or ◀- to select **LOW BATTERY** or **NO LINK**.

4. Press **OK** and ◀+ or ◀- to turn on or off the alert tone.

5. Press **OK** to confirm.

4.6 Reset

You can restore all the adjustable settings back to their original factory settings.

1. Press ⇌ to access main menu.
2. Press ⬆ or ⬇ to select RESET.
3. Press ⇌ and display will show CONFIRM?.
4. Press ⇌ to confirm. The unit will reset and back to idle automatically.

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 re-used 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 MBP20 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 your MBP20 away from hot, humid areas or strong sunlight, and do not let it get wet.
- Every effort has been made to ensure high standards of reliability for your MBP20. However, if something does go wrong, please do not try to repair it yourself - contact Customer Service for assistance.

7. TROUBLESHOOTING

Link light on the parent unit does not come on
- Check whether the parent unit is powered on.
- Check whether the supplied battery pack is correctly installed and that they are not drained.
- Recharge the parent unit by connecting it to the power supply.

Link light on the parent unit flashes
- The parent unit and the baby unit may be out of range with each other. Reduce the distance between the units, but not closer than 1.5 meter.
- The baby unit may be switched off. Press and hold ⏻ key to switch on the baby unit.

Low battery light or ▌ on the parent unit screen flashes
- Battery pack in the parent unit is running low. Connect the parent unit to the mains power with the supplied power adaptor for recharging.

The parent unit beeps
- Lost connection with the baby unit. Reduce the distance between the parent unit and the baby unit, but not closer than 1.5 meter.
- The baby unit may be switched off. Press and hold ⏻ key to switch on the baby unit.

• Battery pack in parent unit is running low. Connect the parent unit to the mains power with the supplied power adaptor for recharging.

Cannot view the video image of baby from the parent unit
• Video feed maybe turned off. Activate the video feed by pressing 💻.
• The parent unit and the baby unit may be out of range with each other. Reduce the distance between the units, but not closer than 1.5 meter.
• Battery pack in parent unit is drained. Connect the parent unit to the mains power with the supplied power adaptor for recharging.

Cannot hear sound or baby cry from the parent unit
• The volume level in the parent unit may be set too low, increase the volume level of the parent unit. Refer to section 3.3 for volume level settings.
• The parent unit and the baby unit may be out of range with each other. Reduce the distance between the units, but not closer than 1.5 meter.

The baby monitor system produces a high-pitched noise
• The parent unit and the baby unit are too close to each other. Make sure the parent unit and baby unit is at least 1.5 meter away from each other.
• The speaker volume of the parent unit maybe set too high. Decrease the volume of the parent unit.

Battery pack in the parent unit is running low quickly
• The volume level of the parent unit may be set too high which consumes power. Decrease the volume level of the parent unit. Refer to section 3.3 for volume level settings.

Talk back feature is not working
• Make sure baby unit is powered on, and link between parent unit and baby unit is normal.
• Check that the volume is loud enough at the baby unit, refer to section 3.4.

8. GENERAL INFORMATION

If your product is not working properly...

1. Read this User's Guide.

2. Visit our website: www.motorola.com

3. Contact Customer Service at

   US and Canada 1-888-331-3383

To order a replacement battery pack for parent unit, contact customer service.

Consumer Products and Accessories Limited Warranty ("Warranty")

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 authorized 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 OF 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	**One (1) year** from the date of the products original purchase by the first consumer purchaser of the product.
Consumer Accessories	**Ninety (90) days** 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	**The balance of the original warranty or for ninety (90) days** 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.

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Unauthorized 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 authorized service centers, 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:

US and Canada   1-888-331-3383

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

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.

FCC, ACTA and Industry Canada (IC) Regulations

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant

to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

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.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003

Caution: To maintain the compliance with the FCC's RF exposure guideline, place the baby unit at least 20 cm from nearby persons.

For body worn operation, the parent unit has been tested and meets the FCC RF exposure guidelines when used with the belt clip supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

9. TECHNICAL SPECIFICATIONS

RF frequency band	1921.536 MHz – 1928.448 MHz
Channels	5
Operating temperature	5°C to 45°C
Baby unit voltage (AC voltage, 50/60Hz)	100 – 240V
Baby unit voltage (Adapter output)	6V DC, 600mA
Parent unit voltage	2.4V 600mAh Ni-MH battery pack
Parent unit voltage (AC voltage, 50/60Hz)	100 – 240V
Parent unit voltage (Adapter output)	6V DC, 600mA

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Version 1.0

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