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## Introduction

- Thank you for selecting the Bayby BBM 7020 Digital Video Baby Monitor. This baby monitor is a great child care accessory that enables you to hear your baby when you are not in the same room. Nevertheless, it is important to understand that it cannot serve as a substitute for responsible adult supervision.
- This baby monitor transmits not only audio but also a video image thanks to a 2.4" colour LCD screen so that you can more reliably monitor your child.
- 2.4 GHz wireless technology is utilised for transmitting the audio signal. This ensures quality transmission up to a distance of 250 m in an open environment. You will be informed about an exceeded signal range, loss of signal or interference by an alert signal.
- The encrypted wireless transmission and automatic available channel selection features guarantee privacy and the peace of mind that you will hear only your child.
- On the parent unit screen, you may monitor the signal intensity, the battery power level, recharging status, the volume setting and air temperature in the room in which the baby unit is located.
- The baby monitor is also equipped with a warning signal indicating low battery power, or that the minimum or maximum set air temperature has been exceeded.
- The VOX function enables a voice-activated transmission mode to be set. In this mode, the baby monitor will always start transmitting when it detects any voice or noise. When no sound is being transmitted, the baby monitor will automatically switch to the ECO mode. This reduces the transmission power to ensure power efficient operation and minimisation of radiation.
- The parent unit may be connected to up to 4 cameras. The camera on the baby unit has a night-vision function and a swivel joint enables the required camera angle to be set easily.
- In the event that you need to calm down your baby, you may use the return communication function and talk back to your child or play a lullaby.
- Both the parent and baby units are powered using a power adapter or rechargeable Li-Ion batteries.
- The parent unit is equipped with a stable stand and a belt clip for easy carrying.

## Safety instructions and important notes

- Before first use, thoroughly read the user's manual. Keep this user's manual for future use.



### Attention:

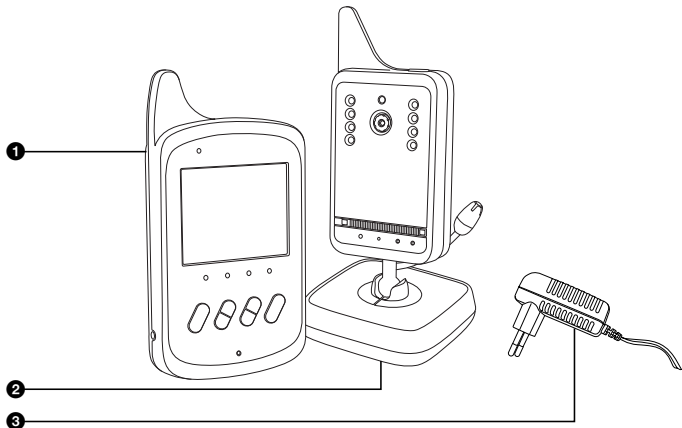
This baby monitor meets all relevant standards and its use is safe when all the instructions contained in this manual are followed.

- The baby monitor serves to monitor your child when you are not in the same room and cannot supervise it directly. Nevertheless, it is important to keep in mind that your child's safety comes first and therefore the baby monitor cannot serve as a substitute for supervision by a responsible adult.
- This baby monitor is intended for home (private) use only. It is not intended for commercial purposes.
- After unpacking the baby monitor and its accessories from the packaging material, place the plastic bags in a safe location out of the reach of children. In the presence of children, plastic bags may present a suffocation hazard.
- Only use the baby monitor with the original adapters that came with it.
- Never use the baby monitor with accessories that are not approved by the manufacturer.
- Before connecting the power adapter to a power socket, make sure the voltage stated on its rating label corresponds to the voltage in the power socket. Position the power cord of the power adapter so that it will not be tripped over.
- The baby monitor may only be operated by adults.
- Children must not play with the baby monitor. Keep the baby monitor, power adapters and rechargeable batteries out of the reach of children.
- Before first using the baby monitor, acquaint yourself with its functions and before every use, make sure that both the baby and parent unit are in working order and that the rechargeable batteries are not flat when they are used as a power source.
- Ensure that the baby monitor and the power adapter do not come into contact with hot surfaces or sharp objects.
- Do not place the baby monitor in the vicinity of water containers or appliances that are sources of heat.
- Do not cover the baby monitor and do not place any items on it.
- Do not use the baby monitor in an excessively dusty or humid environment. Do not subject it to extreme temperature changes and electromagnetic fields.
- Do not submerge the baby monitor and its accessories in water or rinse under running water.
- Always disconnect the baby monitor from the power socket when not using it, after the batteries have been recharged and before cleaning it.
- Do not disconnect the power adapter from the power socket by pulling on the power cord. This could damage the power cord or the socket. Disconnect the power adapter from the power socket by pulling on the plug.
- To power the baby monitor from an internal power source, use rechargeable Li-Ion batteries with the following specifications: 3.7 V / 800 mAh / 3.3 Wh.
- When not using the baby monitor for an extended period of time, remove the batteries.

- Keep the batteries out of the reach of children as they may present a hazard to a child.
- Do not attempt to short circuit or break the battery or throw it into a fire. Do not subject the battery to direct sunlight, fire, etc.
- Do not make any alterations to the baby monitor that would change its electrical or mechanical properties.
- The baby monitor must not be operated with auxiliary amplifiers of high-frequency power or directional antennas.
- Do not use the baby monitor if it is in any way damaged or if the power adapters are damaged.
- Do not attempt to repair the baby monitor yourself. Have all repairs or adjustments performed at an authorised service centre. By tampering with the product you risk voiding your legal rights arising from unsatisfactory performance or quality warranty.
- We recommend saving the original box, packaging material, receipt and responsibility statement of the vendor or warranty card for the duration of warranty. It is appropriate to transport the baby monitor in its original box.

## Description of the accessories

A



① Parent unit\*

② Baby unit\*

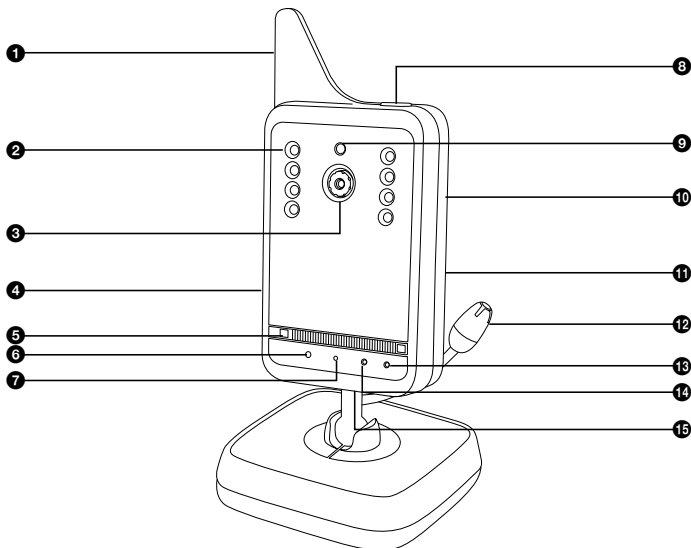
③ Power adapter (2 pcs)  
The adapters are identical.

**Note\*:**

Both the parent and baby unit A① and A② come with rechargeable Li-Ion batteries (3.7 V / 800 mAh / 3.3 Wh).

## Description of the baby unit

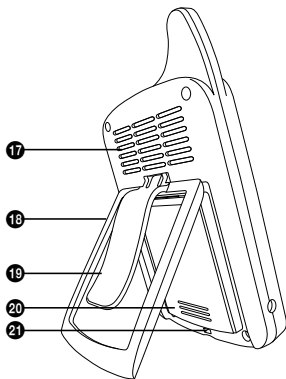
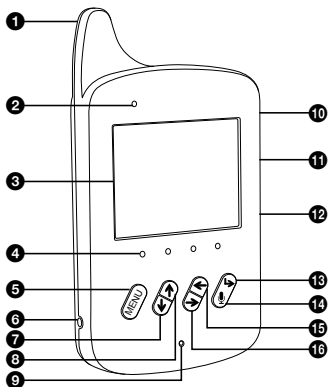
B



- |   |  |
|---|--|
| ① Antenna   | ⑨ Light sensor   |
| ② Infrared LED diodes   | ⑩ Loudspeaker (not shown)<br>it is located at the rear of the baby unit.         |
| ③ Camera  | ⑪ Battery compartment (not shown)<br>it is located at the rear of the baby unit. |
| ④ Jack for connecting the power adapter connector                                 | ⑫ Temperature sensor   |
| ⑤ Night-time LED light  | ⑬ LED signal indicator   |
| ⑥ LED indicator showing that the baby unit is on and the battery is being charged | ⑭ Weak battery LED indicator   |
| ⑦ Microphone  | ⑮ Pairing button (not shown)<br>it is located at the rear of the baby unit.      |
| ⑧ Button for turning the baby unit on and off                                     |  |

## Description of the parent unit

c



- ① Antenna
- ② LED indicator showing that the parent unit is on and the battery is being charged
- ③ 2.4" LCD screen
- ④ LED volume level indicators
- ⑤ MENU/OK button serves to display Menu items and to confirm the selection of items in the Menu or Submenu.
- ⑥ Power adapter connection socket
- ⑦ Button for lowering volume or for scrolling down through Submenu items
- ⑧ Button for increasing volume or for scrolling up through Submenu items
- ⑨ Microphone
- ⑩ Button for turning the parent unit on and off
- ⑪ Button for switching between cameras
- ⑫ Button for setting the timer in the range from 0:30 to 4:00 h
- ⑬ BACK button  
When selecting items in the main Menu and Submenu, this button will move you back one level.
- ⑭ Talk back to child button
- ⑮ Button for moving left between main Menu items
- ⑯ Button for moving right between main Menu items
- ⑰ Loudspeaker
- ⑱ Stand
- ⑲ Belt clip
- ⑳ Battery compartment
- ㉑ Pairing button

## Installation location of the baby unit and parent unit

### 1. Baby unit

- Locate the baby unit A② on an even, dry and stable surface in the room where you want to monitor your child. We recommend an elevated location (e.g. chest of drawers or a shelf) at a sufficient distance away from equipment and devices that could cause signal interference.
- When the baby unit A② is to be powered from the grid, locate it within reach of a power socket. In order to minimise electro-smog, the baby unit A② should be located at least 1 m away from your child.
- Turn the camera panel B③ so that the camera lens B③ covers the area that you wish to monitor.



#### Attention:

Never locate the baby unit A② or the power adapter A③ in the baby's bed or within the reach of your child.

### 2. Parent unit

- Place the parent unit A① in the room where you will be located. When the parent unit A① is to be powered from the grid, locate it within reach of a power socket.

## Power source

### 1. External power source and its use

- To power the baby and parent units A② and A① from an external power source, use only the original power adapters A③ type JF005WR-0500100VH (output 5 V $\pm$ , 1 A).
- Insert the plug of one of the power adapters A③ into the socket B④ that is located at the side of the baby unit A②. Insert the plug of the power adapter A③ into a power socket.
- Insert the plug of the second power adapter A③ into the socket C⑥ that is located at the side of the parent unit A①. Insert the plug of the power adapter A③ into a power socket.




#### Attention:

Before connecting the power adapter A③ to a power socket, make sure the voltage stated on its rating label corresponds to the voltage in the power socket.

### 2. Internal power source and its use

- To power the baby and parent units A② and A① using an internal power source, use the supplied rechargeable Li-Ion batteries (3.7 V / 800 mAh / 3.3 Wh).
- **Inserting and removing the battery**
  - For safety reasons, the battery compartment cover B⑩ on the baby unit A② is secured by a screw. Remove the screw. Take off the cover. Insert the Li-Ion battery into the compartment B⑩ so that the contacts point towards the bottom right corner of the compartment B⑩. Put the cover back on and secure in place with the screw. To remove the battery from the baby unit A②, proceed in the reverse sequence.



- On the parent unit A①, slide the battery compartment cover C② downwards. Insert the Li-Ion battery into the compartment C② so that the contacts point towards the top left corner of the compartment C②. Close the cover. To remove the battery from the parent unit A①, proceed in the reverse sequence.
- **Charging the battery**
  - Before first using the baby and parent units A② and A① independently of an external power source, allow the batteries to fully recharge. A full charge takes approximately 8 hours. When the baby and parent units A② and A① are connected to an external power source, the battery will start charging if correctly placed in the respective compartment. The LED indicator light B⑥ on the baby unit A② and the LED indicator light C② on the parent unit A① will be lit red.
  - You may use the baby and parent units A② and A① while they are charging. When the parent unit A① is running, you may watch the charging progress on the screen C③.
  - When the battery is fully charged, the LED indicator B⑥ and C② will be lit green, when the respective unit is running, or it will turn off when the respective unit is turned off. When you disconnect the baby and parent units A② and A① from the power socket after charging them, you may use them independently of an external power source.
  - We do not recommend discharging the battery too much, or otherwise to recharge it when it is almost fully charged. The optimal temperature for operation and storage of the battery is around 20 °C.
  - Battery operation minimises electro-smog which arises due to the effect of alternating electric and magnetic fields.
  - Both units are equipped with a signal indicating an almost flat battery. When the battery inside the baby unit A② is almost flat, the LED indicator B④ will start flashing red. The almost flat status of the parent unit A① is signalled by a green flashing LED indicator C② and by the symbol  being shown together with a message "Low Battery" on screen C③. If you do not connect the baby unit A② and/or the parent unit A① to an external power source for the battery to recharge, it will turn itself off automatically after a certain time. The LED power indicator B⑥ and/or C② will turn off.
  - If you are planning on not using the baby monitor for an extended period of time, we recommend that you allow the batteries to discharge to half their capacity, then take them out of the baby monitor and store them out of the reach of children.

## Using the baby monitor and its functions

### 1. Baby unit

#### ■ Turning on and off





- To turn on the baby unit A②, press and hold button B⑧ for approximately 3 seconds. When it is turned on, the LED indicator B⑥ will be lit green. If a battery is being charged, the LED indicator B⑥ will be lit red.
- To turn off the baby unit A②, press button B⑧ and hold it down for approximately 3 seconds. The turned off state of the baby unit A② is signalled by the LED indicator B⑥ turning off. If a battery is being charged, the LED indicator B⑥ will be constantly lit red.
- When you have finished using it, always turn off the baby unit A② and disconnect the power adapter A③ from the power socket. When it is charging, disconnect the power adapter A③ from the power socket only when it has finished charging.

- **LED indicator showing that the baby unit is on and the battery is being charged.**
  - When the LED indicator B⑥ is lit green, it signals that the baby unit A② is turned on.
  - When the battery is being charged, the LED indicator B⑥ will be lit red regardless of whether the baby unit A② is on or off.
  - When the baby unit A② is turned off and the charging process is complete, the LED indicator B⑥ will be off.
- **LED signal indicator**
  - When the baby A② connects with the parent unit A①, the LED indicator B⑬ will be lit green.
  - The LED indicator B⑬ will not be lit when no connection is made or it will turn off when the connection is interrupted.
  - The LED signal indicator B⑬ will flash green when the baby unit A② is switched to the pairing mode.
- **Weak battery LED indicator**
  - When the battery inside the baby unit A② is almost flat, the indicator B⑭ will start flashing red.
- **Night-vision mode**
  - The baby unit is equipped with eight infrared LED diodes B②, thanks to which it is possible to see a picture even in complete darkness. The infrared light of the diodes B② is invisible to the human eye.
  - When the light sensor B⑨ detects a low level of ambient light, the LED diodes B② will activate themselves automatically. In this mode, the screen C③ on the parent unit A① will show a black and white picture.
- **Night-time LED light**
  - The night-time LED light B⑤ will turn on automatically when the light sensor B⑨ detects a low level of ambient light. In the user MENU of the parent unit A①, the automatic lighting function of the night-time LED light B⑤ can be turned off or the light B⑤ may be turned on permanently. A more detailed procedure for setting the night-time LED light B⑤ is described in subchapter 2. Parent unit / night-time light mode
- **Loudspeaker**
  - Thanks to the integrated loudspeaker B⑩, you can talk back to your child or play it a lullaby.
- **Temperature sensor**
  - Temperature sensor B⑫ senses the temperature in the room in which the baby unit A② is located. The measured temperature is shown on the screen C③ of the parent unit A①.
- **Pairing button**
  - The baby unit A② is paired with the parent unit A① in advance. Under normal circumstances, it is not necessary to pair the units. However, in the event that the connection is lost, then it is necessary to pair the units again in order for the baby monitor to function. Detailed instructions for pairing the units are provided in chapter Pairing the baby and parent units.

## 2. Parent unit

### ■ Turning on and off

- To turn on the parent unit A①, press and hold button C⑩ for approximately 3 seconds. When it is turned on, the LED indicator C② will be lit green. When the battery is almost flat and the parent unit A① is not connected to an external power source, the LED indicator C② will flash green. If a battery is being charged, the LED indicator C② will be lit red.
- When the parent unit A① is turned on, the following information and symbols will be shown in the upper part of the screen C③.

Symbol/ information	Explanation
	Signal intensity Number of lit segments indicates the signal intensity. When no segment is lit, it means that the baby monitor has no signal.
0:30, 1:00, 1:30, 2:00, 2:30, 3:00, 3:30 or 4:00	Timer, if it is set.
	Temperature detected by the baby unit A②, when it is turned on and when there is a connection.
	Camera number (1 to 4)
	Battery power level or charging progress indicator



- When the baby unit A② is turned on and located within signal range, the connection will be made automatically and the baby monitor will start transmitting audio and video.
  - When the baby unit A② is turned off or located outside the signal range, no connection will be made. The screen C③ will show a flashing message "No connect" (no connection) and the message "Waiting for Connecting..." (waiting for a connection).
  - To turn off the parent unit A①, press button C⑩ and hold it down for approximately 3 seconds. The turned off state of the parent unit A① is signalled by the LED indicator C② turning off. If a battery is being charged, the LED indicator C② will be constantly lit red.
  - When you have finished using it, always turn off the parent unit A① and disconnect the power adapter A③ from the power socket. When it is charging, disconnect the power adapter A③ from the power socket only when it has finished charging.
- **LED indicator showing that the parent unit is on and the battery is being charged.**
- When the LED indicator C② is lit green, it signals that the parent unit unit A① is turned on with sufficient battery capacity.
  - When the parent unit A① is turned on and the battery is almost flat, the LED indicator C② will flash green.

- When the battery is being charged, the LED indicator C② will be lit red irregardless of whether the parent unit A① is on or off.
- When the parent unit A① is turned off and the charging process is complete, the LED indicator B② will not be lit.

#### ■ LED volume level indicators

- Depending on the volume detected by the baby unit A②, the corresponding number of LED indicators C④ will be lit.
- When all LED indicators C④ are turned off, the baby unit A② is not detecting any sound.


#### ■ Setting the volume and turning off audio

- Buttons C⑦ and C⑧ can be used to decrease or increase the volume on the parent unit A①. When button C⑦ or C⑧ is pressed, the symbol  will be shown in the top bar. The number of segments shown indicates the set volume level that can be set at 5 levels. The symbol will turn off shortly after the volume is set.
- To turn off the volume on the parent unit A①, repeatedly press button C⑦ until the symbol  appears in the top bar of the screen C③. This symbol will remain in the top bar on the screen C③ while volume is turned off. The volume of the transmitted audio is shown by the LED indicators C④.

#### ■ Sound alert settings (almost flat batteries or lost connection)

- To set the sound alert that will inform you about the battery being almost flat, proceed as follows. Press the button Menu/OK C⑤. The main MENU panel will appear in the bottom part of the LCD screen C③. Use buttons C⑱ and C⑲ to scroll through the main Menu items. Select the item "Alert Ringtone" (sound alert signal).



The Submenu items will appear in the middle of the screen. Use buttons C⑦ and C⑧ to scroll through the Submenu items. Select the item "Low Battery Alarm" (alarm for almost flat battery) and confirm the selection by pressing the button Menu/OK C⑤. The items "On" (activate) and "Off" (deactivate) will appear on the screen. To activate the alarm, select the item "On" (activate) and confirm the selection by pressing the button Menu/OK C⑤. After a short while, the screen C③ will automatically switch back to the mode for displaying the picture registered by the camera B③. Now the alarm will be triggered when the battery power level is low. At the same time, the message "Low Battery" will start flashing and the symbol  will appear. To deactivate the acoustic alarm, proceed in the same way, only select the item "Off" (deactivate).

- To set the acoustic alarm that will inform you about there being no signal between the baby and parent unit A② and A①, or about the loss of connection between the two, proceed as follows. Press the button Menu/OK C⑤. The main MENU panel will appear in the bottom part of the screen C③. Use buttons A⑱ and A⑲ to scroll through the main Menu items. Select the item "Alert Ringtone" (sound alert signal).



The Submenu items will appear in the middle of the screen. Use buttons C7 and C8 to scroll through the Submenu items. Select the item "No Connect Alert" (alarm for loss of signal) and confirm the selection by pressing the button Menu/OK C5. The items "On" (activate) and "Off" (deactivate) will appear on the screen. To activate the alarm, select the item "On" (activate) and confirm the selection by pressing the button Menu/OK C5. After a short while, the screen C3 will automatically switch to the mode for displaying the video registered by the camera B3. Now the acoustic alarm is activated and will be triggered when no connection is made between the baby and parent units A2 and A1 or when it is lost. At the same time, the screen C3 will show a flashing message "No connect" (no connection) and the message "Waiting for Connecting..." (waiting for a connection). To deactivate the acoustic alarm, proceed in the same way, only select the item "Off" (deactivate).

**Note:**

In the event that the acoustic alarm is triggered, you may temporarily pause it by pressing any button on the front control panel or press button C12. The alarm will start again after approximately 3 minutes.

■ **Screen brightness settings**

- To set the brightness of the screen C3, press the button Menu/OK C5. The main MENU panel will appear in the bottom part of the screen C3. Use buttons A15 and A16 to scroll through the main Menu items. Select the item "Screen Display" (screen).




The item "Brightness" (brightness) will appear in the middle of the screen. Press the button Menu/OK C5 to enter the screen brightness settings menu. Use buttons C7 and C8 to select a brightness level from the menu "Level 1-5" (level 1 to 5). Confirm the selection by pressing the button Menu/OK C5. After a short while, the screen C3 will automatically switch to the mode for displaying the video registered by the camera B3.

■ **Playback of a lullaby**

- The loudspeaker on the baby unit A2 makes it possible to play a lullaby to your child. Press the button Menu/OK C5. The main MENU panel will appear in the bottom part of the LCD screen C3. Use buttons C15 and C16 to scroll through the main Menu items. Select the item "Lullabies" (lullabies).



A selection of 8 lullabies (Lullaby 1–8) and the option "Play All" (play all lullabies) will appear in the middle of the screen. Use the buttons C7 and C8 to select a sequence number of a lullaby or the option to play all lullabies. Confirm the selection by pressing the button Menu/OK C5. The options "Play Once" (play once), "Play Repeat" (play repeatedly) and "Stop" (stop playback) will appear on the screen. Select one of these options and confirm it by pressing the button Menu/OK C5. After a short while, the screen C3 will automatically switch to the mode for displaying the video registered by the camera B3. While the lullaby is being played, the symbol  and the sequence number of the lullaby that is being played will appear in the top bar of the screen C3. To immediately stop playback of the lullaby, select the option "Stop" (stop playback).

#### ■ Setting the VOX function

- The VOX function enables a voice-activated transmission mode to be set. In this mode, the baby monitor will always start transmitting the picture when it detects any voice or noise. When no sound is being transmitted, the baby monitor will automatically switch to the ECO mode and the screen C3 will turn off. This reduces the transmission power to ensure power efficient operation and minimisation of radiation.
- There are 3 sensitivity levels that can may be set or the VOX function may be deactivated. To set the sensitivity or to turn off the VOX mode, proceed as follows. Press the button Menu/OK C5. The main Menu panel will appear in the bottom part of the screen C3. Use buttons C15 and C16 to scroll through the main Menu items. Select the item "Voice Sensor" (voice sensor).



- The items "Low" (low sensitivity), "Medium" (medium sensitivity), "High" (high sensitivity) and "Off" (deactivate the VOX function) will appear in the middle of the screen. To select an item, use buttons C7 and C8 and then confirm the selection by pressing button Menu/OK C5.
- When the baby monitor is switched to ECO mode, the screen C3 is turned off. Nevertheless, you may turn on the screen C3 for a certain time by pressing any control button on the front panel of the parent unit A1. The message "ECO mode activated" (ECO mode activated) will appear on the screen C3. In the top bar, it will be indicated that the baby monitor has no signal. The signal will be restored once the baby monitor starts sending and transmitting the picture.

#### ■ Setting air temperature units, the warning signal and the alarm signalling that the minimum or maximum set temperature is exceeded

- The baby unit A2 continuously monitors the air temperature in the room in which it is located. In the section "Temperature" (temperature) in the main Menu, you may select the unit in which the air temperature will be shown on screen C3. In this section, you may also set the warning signal and alarm function, that is triggered when the minimum and maximum temperature that you set is exceeded.

- To set the air temperature units, press the button Menu/OK C⑤. The main Menu items will appear on the screen C③. Use the buttons C⑮ and C⑯ to select the item "Temperature" (temperature).



The items "Scale" (unit), "Minimum" (minimum temperature), "Maximum" (maximum temperature) and "Alert" (warning signal) will appear in the middle of the screen C③. Use buttons C⑦ and C⑧ to select the item "Scale" (unit). Confirm the selection by pressing the button Menu/OK C⑤. The unit "Celsius" and "Fahrenheit" will appear on the screen C③. Select your preferred unit and confirm the selection by pressing button Menu/Ok C⑤. After a short while, the screen C③ will automatically switch to the mode for displaying the video registered by the camera B③. Air temperature will be displayed in the top bar in the measuring unit that you set.

- To set an alert for a minimum and/or maximum air temperature level, press the button Menu/OK C⑤. The main Menu items will appear on the screen C③. Use the buttons C⑮ and C⑯ to select the item "Temperature" (temperature).



The Submenu items will appear in the middle of the screen C③. Use buttons C⑦ and C⑧ to select the item "Minimum" (minimum temperature) or "Maximum" (maximum temperature). Confirm the selection by pressing the button Menu/OK C⑤. The minimum temperature can be set in the range from 0 to 17 °C (32 to 63 °F) and the maximum temperature can be set in the range from 18 to 35 °C (64 to 95 °F). Confirm the minimum or maximum temperature setting by pressing the button Menu/OK C⑤. If the temperature in the room falls below the set minimum temperature or otherwise exceeds the maximum temperature, the message "Temperature too low" (temperature too low) or "Temperature too high" (temperature too high) will appear on the screen C③.

- To set the acoustic alarm that will be triggered when the temperature exceeds the set level, proceed in the same way as in the preceding paragraph, only with the difference that in the section "Temperature" (temperature) select the item "Alert" (alert). Confirm the selection by pressing the button Menu/OK C⑤. The items "On" (activate) and "Off" (deactivate) will appear on the screen. Select the item "On" (activate) and confirm the selection by pressing the button Menu/OK C⑤. If prior to this you set the minimum and/or the maximum temperature and it is exceeded, the message "Temperature too low" (temperature too low) or "Temperature too high" (temperature too high) will appear on the screen C③ and at the same time the acoustic alarm will be triggered. To deactivate the alert, select the item "Off" (deactivate).

**Note:**

In the event that the acoustic alarm is triggered, you may temporarily pause it by pressing any button on the front control panel or press button C⑫. The alarm will start again after approximately 3 minutes.

### ■ Night-light mode

- In the user MENU it is possible to activate the automatic start night-time LED light function B⑤. The night-light B⑤ can be turned off entirely or it can also be permanently on. When the automatic light activation function is activated, the night-time LED light B⑤ will turn on automatically when the light sensor B⑨ detects a low level of ambient light.
- The user setting for the night-time LED light B⑤ is performed as follows. To show the main MENU items, press the button Menu/OK C⑤. Use the buttons C⑮ and C⑯ to select the item "Night Light" (night light).



The items "Off" (deactivate), "On" (activate) and "Auto" (automatic light) will appear in the middle of the screen C③. Use buttons C⑦ and C⑧ to select your preferred item and confirm the selection by pressing button Menu/Ok C⑤. After a short while, the screen C③ will automatically switch to the mode for displaying the video registered by the camera B③.

### ■ Language settings

- A language can be set in the user MENU for displaying information on the screen C③.
- Available languages are as follows: English, French, German, Dutch, Spanish, Portuguese, Italian, Turkish, Russian and Hungarian.
- To show the main MENU items, press the button Menu/OK C⑤. The main MENU items will appear on the screen C③. Use the buttons C⑮ and C⑯ to select the item "Language" (language).



The language menu will appear in the middle of the screen C③. Use buttons C⑦ and C⑧ to select a language and confirm the selection by pressing button Menu/Ok C⑤. After a short while, the screen C③ will automatically switch to the mode for displaying the video registered by the camera B③.

### ■ Exiting the main MENU

- The last item in the main MENU is Exit (exit the menu). To show the main MENU items, press the button Menu/OK C⑤. The main Menu items will appear on the screen C③. Use the buttons C⑮ and C⑯ to select the item "Exit" (exit the menu).





The options "Yes" (yes) and "No" (no) will appear in the middle of the screen C③. Use buttons C⑦ and C⑧ to select whether you wish to exit the main Menu or not. Confirm the selection by pressing the button Menu/OK C⑤.


**Note:**

To exit the main MENU, you may also use the button BACK C⑬ or if you do not press any button for approximately 7 seconds the screen C③ will automatically switch to the mode displaying video from camera B③.

**■ Talk back (talk to the child)**

- Press button C⑭ and hold it down for as long as you wish to talk to your child. Your voice will be heard from the loudspeaker on the baby unit A②.

**■ Digital zoom**

- When the baby monitor is turned on, the digital zoom will enable you to zoom into the video from camera B③.
- To activate the digital zoom mode, hold down button C⑫. The video will zoom in and the symbol  will appear on the top bar of the screen C③. You can use buttons C⑦ and C⑧ to move the picture up and down and buttons C⑮ and C⑯ to move it left and right.
- To deactivate the digital zoom mode, hold down button C⑫ again.

**■ Switching between individual cameras**

- If you have multiple cameras (max. 4 cameras) connected to the the parent unit A①, you may use button C⑰ to switch the picture coming from the individual cameras.

**■ Setting the timer**

- Use button C⑩ to set the timer in the range from 0:30 to 4:00 h. Each time button C⑩ is pressed, the set time will increase by 30 minutes. The timer may be used, for example, as a reminder of a feeding time, etc. The set time is shown in the top bar of the screen C③. After the set time has elapsed, an alert will be sounded and the message "Feed time arrives" (feeding time) will appear on the screen C③.

**■ Pairing button**

- The parent unit A① is paired with the baby unit A② in advance. Under normal circumstances, it is not necessary to pair the units. However, in the event that the connection is lost, then it is necessary to pair the units again in order for the baby monitor to function. Detailed instructions for pairing the units are provided in chapter Pairing the baby and parent units.

**Note:**

If when performing user settings, you do not confirm the selection of an item by pressing button C⑤, the setting will not be made and after a short time the display C③ will automatically switch to the video from camera B③ display mode.

User settings will remain saved in the memory of the parent unit A① even when it is disconnected from a power socket or when the battery is removed.

For the purpose of explaining the items that appear on the display, the language of the default settings was used.

## Pairing the baby and parent units

- The baby unit A② is paired with the parent unit A① in advance. Under normal circumstances, it is not necessary to pair the units. However, in the event that the connection is lost, then it is necessary to pair the units again in order for the baby monitor to function. When pairing the baby and parent units A② and A①, proceed as follows.
- Make sure that the baby unit A② is turned on and press the pair button B⑱. The LED signal indicator B⑲ will start flashing. This indicates that the baby unit A① has switched to pairing mode.
- Make sure that the parent unit A① is turned on and press the pair button C⑳. The screen C③ will switch to the pairing menu display mode.

Press UP/Down button to select channel  
 Press LEFT/Right button to set  
 Press OK button to entry

			Status
CH1	Pair	Del	NULL
CH2	Pair	Del	NULL
CH3	Pair	Del	NULL
CH4	Pair	Del	NULL
EXIT			

- Use buttons C⑦ and C⑧ to select your preferred channel (CH1 to CH4). Use buttons C⑱ and C⑲ to select item "Pair" (pair). Confirm the selection by pressing the button Menu/OK C⑤. The message "Pairing..." (pairing) will appear on the screen C③. If the pairing process is successful, the message "Pairing succeed, CHx is selected. Press OK button to back Menu." will appear on the screen C③. After a moment, the screen C③ will automatically switch to the picture from camera B③ display mode.

### Note:

Status "Paired" in the pairing menu display mode means that the camera is successful paired.

- If the pairing takes longer than 20 seconds, it means that it has not been successful and the message "Waiting for Connecting..." (waiting for connection) will appear on the screen. Then the parent unit A① will automatically switch back to the preceding display mode.
- If you wish to cancel the connection to the baby unit A② or one of the other connected cameras, proceed in the same way as when pairing, only with the difference that for the camera that you wish to cancel, select the item "Del" (delete) instead of "Pair" (pair).

### Note:

In the same way, you may connect another camera to the parent unit A① or remove it.

## General information about using the baby monitor

- Before using the baby monitor for monitoring your child, always check that both the baby and parent unit A② and A① are in working order, that there is a connection between the units and that audio and video is being transmitted.
- We recommend that you perform all user settings before using the baby monitor for monitoring your child.
- To increase the signal range, place the baby unit A② in an elevated location as close as possible to the door or window.
- Other radio waves may interfere with the signal transmission. For this reason, do not place the baby monitor in the vicinity of appliances such as e.g. a microwave oven or WLAN devices, etc.
- The following factors may interfere with the signal, reduce its range or affect its quality:
  - one of the units is covered,
  - other wireless networks, ecological light bulbs,
  - obstacles in the signal transmission direction such as furniture, interior and exterior walls of buildings, trees, etc.,
  - weather events such as fog, rain, etc.

## Troubleshooting

Problem	Solution
No picture	<p>Check that the parent unit A① is located within signal range.</p> <p>Check that the parent unit and baby unit A① and A② are connected to a working power socket and that they are turned on. When using an internal power source, check that the batteries are sufficiently charged.</p> <p>The parent unit A① may be switched to ECO mode when the VOX function is activated.</p>
An alert is being sounded.	<p>The alert may indicate the following:</p> <ul style="list-style-type: none"> <li>– loss of signal,</li> <li>– almost flat battery,</li> <li>– minimum or maximum set temperature is exceeded,</li> <li>– time set on the timer has elapsed.</li> </ul>
Black and white picture	<p>The baby monitor is switched to night-vision mode. The light sensor B⑨ detected a low light intensity level.</p>

## Cleaning and maintenance

- Before cleaning the baby monitor, disconnect it from the power socket. If they become soiled, wipe the outer parts of the baby monitor and adapters A③ with a clean, dry cloth.
- For cleaning, do not use abrasive cleaning products, solvents, thinners, etc. Never submerge the baby monitor or its power adapters A③ in water or rinse under running water.

## Technical specifications

Model number .....	BBM 7020
Frequency broadcast band .....	2 400–2 483.5 MHz
Transmission power .....	17 dBm
Sensitivity .....	–85 dBm
Modulation .....	FHSS (Frequency Hopping Spread Spectrum)
Range in open space .....	up to 250 m
Audio transmission .....	two-way communication
Display type and size .....	2.4" LCD
Voltage and power input .....	5 V $\overline{=}$ , 1 A
Power source .....	power adapter, JF005WR-0500100VH input: 100–240 V $\overline{=}$ , 50/60 Hz, 0.18 A, output: 5 V $\overline{=}$ , 1 A or rechargeable Li-Ion batteries 3.7 V / 800 mAh / 3.3 Wh
Protection class against injury by electrical shock (power adapter) .....	II
Operating temperature .....	0–50 °C

## Explanation of symbols used on the product, its accessories and packaging



This symbol indicates that this appliance meets all the basic requirements of EU directives related to it.



This symbol indicates that the product has protection class II.



This symbol indicates the polarity of the power cord connectors.



This symbol indicates that it is a product that may be used indoors.

LOT.

This abbreviation serves to designate the production lot number.



This symbol indicates that the requirements of directive 2011/65/EU (RoHS II) have been met for limiting the use of certain hazardous substances in electrical and electronic equipment.



This symbol on products or original documents means that used electric or electronic products must not be added to ordinary municipal waste. For proper disposal, renewal and recycling hand over these appliances to determined collection points. Alternatively, in some European Union states or other European countries you may return your appliances to the local retailer when buying an equivalent new appliance. Correct disposal of this product helps save valuable natural resources and prevents potential negative effects on the environment and human health, which could result from improper waste disposal. Ask your local authorities or collection facility for more details. In accordance with national regulations penalties may be imposed for the incorrect disposal of this type of waste.

**For business entities in European Union states**

If you want to dispose of electric or electronic appliances, ask your retailer or supplier for the necessary information.

**Disposal in other countries outside the European Union.**

This symbol is valid in the European Union. If you wish to dispose of this product, request the necessary information about the correct disposal method from the local council or from your retailer.



Batteries contain environmentally damaging substances and therefore do not belong in standard household waste. Take the batteries to an appropriate collection point, which will take care of their ecological disposal. You can obtain the contact for the nearest collection point from your town council or from your retailer.

## Instructions and information about the handling of used packaging

Dispose of used packaging material at a site designated for waste in your municipality.

This appliance meets the requirements of directive 1999/5/EEC. A valid declaration of conformity can be found at [www.baby.com](http://www.baby.com).

The Czech language is the original version of the user's manual. Changes to text and technical parameters are reserved.