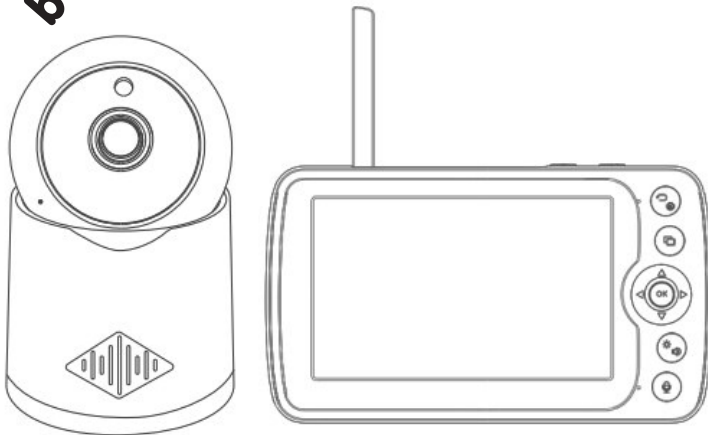


**IMPORTANT! KEEP THIS MANUAL  
FOR FUTURE REFERENCE!**

**INSTRUCTION MANUAL  
FOR DIGITAL BABY MONITOR  
ORION**

**ORION**  
*baby-monitor*



This **chipolino** product is manufactured in accordance with the requirements of Directives of the European Parliament and Council 2014/53/EU relating to the making available on the market of radio equipment, 2014/30/EU relating to electromagnetic compatibility and 2001/95/EU on General Product Safety as well as in accordance with National Legislation.

**TO GUARANTEE THE SAFE USE OF THIS PRODUCT, FOLLOW THE WARNINGS, GUIDELINES AND RECOMMENDATIONS IN THIS MANUAL!**

**ATTENTION! WARNINGS!**

**THIS PRODUCT IS INTENDED TO AID YOU AND CANNOT  
SUBSTITUTE A REAL AND RESPONSIBLE ADULT SUPERVISION!  
USE THE PRODUCT ONLY FOR ITS PURPOSE!**

- ❖ **CAUTION!** ONLY AN ADULT SHOULD USE THE PRODUCT!
- ❖ **CAUTION!** THIS DEVICE IS NOT A TOY AND MUST NOT BE ACCESSIBLE TO CHILDREN!  
Do not let children play with parts of the monitor!
- ❖ **CAUTION!** NEVER PLACE THE BABY UNIT IN THE BABY'S BED OR PLAYPEN!
- ❖ **CAUTION!** THE ADAPTORS, PARENT AND BABY UNITS MUST ALWAYS BE OUT OF THE REACH OF THE BABY TO AVOID RISK OF INJURY OR SUFFOCATION!
- ❖ **CAUTION!** BEFORE USE, INSPECT THE GOOD WORKING ORDER OF ALL PARTS OF THE PRODUCT. Do not use the product if you find some parts are missing or damaged.
- ❖ **CAUTION!** NEVER USE THE BABY MONITOR IN MOIST ENVIRONMENT, CLOSE TO OR IMMERSSED IN WATER!
- ❖ **CAUTION!** KEEP AWAY FROM FIRE. To avoid overheating keep the transmitter, receiver and adaptors away from heat sources or other devices, which release heat.
- ❖ **CAUTION!** Do not leave the adaptors in a place where a child may step on them. A hit on the adaptor when plugged in the electricity may cause damage and serious risk of injury!
- ❖ Use only supplied by producer adaptors.
- ❖ If you use a wireless telephone, wireless video device, Wi-Fi network, microwave or Bluetooth devices at frequency of 2.4 GHz, and the video monitor units show interferences, relocate the baby unit at a larger distance until the interference disappears.
- ❖ Do not use spare parts or other components, which are not supplied by the manufacturer! The producer does not assume responsibility in case spare parts have been used which are different from the approved type or recommended by the producer.
- ❖ Do not make changes or modifications on the product! Do not modify the electric circuit and do not add other electrical parts! If necessary, contact the retailer or an authorized service center for advice and repair.
- ❖ Before plugging the adaptors in, check if the voltage marked on the adaptor is the same as the voltage of the local electricity network. If not, you will damage the product!
- ❖ Do not use damaged adaptors.
- ❖ Do not remove the labels and warnings on the product! They are important for everyone who uses the product!
- ❖ Keep the nylon package away from children to avoid suffocation!

## WARNINGS FOR USING LITHIUM-POLYMER BATTERIES

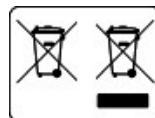
- ❖ ONLY an adult can plug the adaptors!
- ❖ Do not bend, drill (especially with metal objects) or damage the battery in any other way.
- ❖ Charge the battery only with the adaptors provided by the producer!
- ❖ Do not allow short circuit!
- ❖ Keep the product in room temperature!
- ❖ Do not subject to direct sunlight!
- ❖ Never leave a charging battery without supervision!

**REMARK:** The battery compartment is located on the back of the parent unit.

**ADVICE:** Charge the battery fully before use to save it and prolong its life.

**IMPORTANT!** To replace the battery contact the retailer or an authorized service!

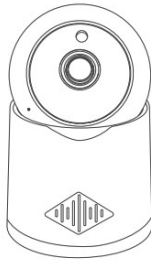
**CAUTION!** When you stop using the product, do not dispose of it with normal household waste but hand it over in an official waste collecting point. The waste formed from damaged electrical and video devices, batteries, adaptors, must be disposed of separately. Throwing them out in containers for household waste is forbidden. This will be your considerable contribution for safeguarding nature, reducing the harmful effect of substances found in the batteries and adaptors, environment and human health.



## PRODUCT FEATURES

Digital baby monitor with frequency	2.4 GHz
Transmitting power	18-20 dBm
Modulation mode	FHSS
Suitable temperature of air during usage of the product	From -100 C up to +380 C
Range (no obstacles)	Up to 50 m indoors Up to 270 m open area
Spread spectrum	DSSS
Adaptor, 2 pcs	Input: 100-240V, 50-60Hz Output: 5.0 $\bar{\bar{=}}$ 1 A
<b>Parent unit: MONITOR (receiver), 1 pc</b>	
Video display	5" LCD
Resolution	1920x1080 p
Battery	lithium-polymer 3.7 V 2000 mAh
Receiving sensitivity	- 90 dBm
Power consumption	400 mA
Power supply	5V/1000 mA DC

**Baby unit: CAMERA (transmitter), 1 pc**



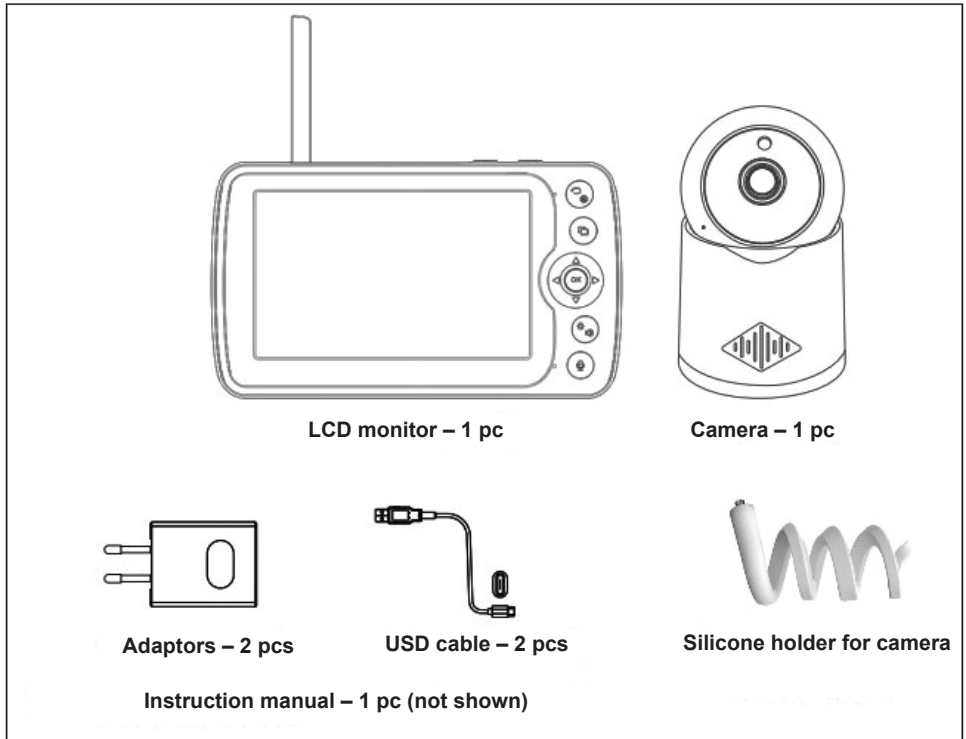
Sensor of image, type	CMOS
Image	1080 pxl
Minimum light (infrared night vision)	15 lx (IR on)
Night vision, distance	3 up to 5 m
Rotation angle of lens	75° diagonally
Rotation angle left/right (panoramic angle)	350°
Rotation angle up/down (camera reclining)	45°
Power consumption	350 mA
Power supply	5V/1000 mA DC

**FUNCTIONS**

Two way communication
Temperature information
Musical player
Setting for feeding time
4 cameras connection availability
Choice of suitable temperature diapason in baby's room
Multi language menu
Automatically night vision
VOX (automatically activation of baby unit when detecting sound)
Panoramic view/ Camera recline – remote control of camera (transmitter) from buttons ate monitor (receiver)
Power saving mode
Alarm

## MAIN PARTS DIAGRAM

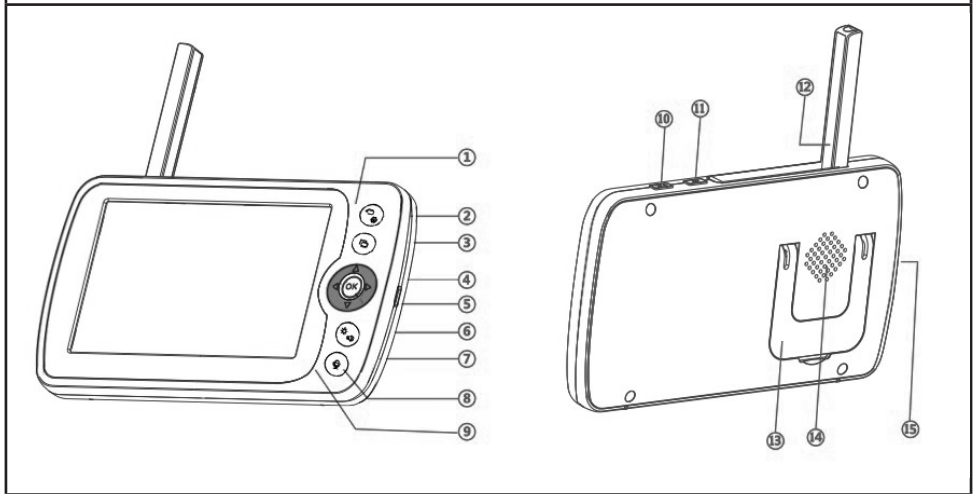
Set includes:




Please make sure that all parts are available.

<b>CAMERA (transmitter)</b>	
1. Light sensor	6. Jack for TF card / Micro USB card
2. Camera lens	7. Antenna
3. Sound detector	8. Temperature sensor
4. Reset/ Restart button	9. Micro USB jack for connection of adaptor (DC5V)
5. Speaker	


## MONITOR (Receiver) – main parts and buttons





**1. Light indicator:** Light indicator shows **green** color when monitor is on. Light indicator shows **red** color when battery is charging. When battery is fully charged the light indicators turns **green**.

**2. Step Back button**  :

- In monitoring model, press the button to enter the main menu;
- In main menu press the button to turn back to the previous menu (step back).


**3. Switch camera button**  :


- Press the button to change the cameras (on upper part of the screen symbol  will show which camera is selected);
- When on upper part of the screen shows symbol , this means that monitor is in automatic walk among the cameras and each image of one camera will stay for 10 seconds.


**4. Button for pointer moving**  :

- In monitoring model with these buttons you can control the panoramic angle and the recline angle of the camera
- In main menu with these buttons, you can choose the direction of pointer moving.

**5. Jack for monitor charger**

**6. Button**  : Press the button to enter the main menu or to confirm the requested settings.

**7. Button for brightness and volume control**  : Press the button and on screen will appear images for adjusting the brightness and volume control. With buttons up and down you may adjust the brightness of the screen and with buttons left and right – volume control.

**8. Two way combination**  : Press the button to speak to your baby via the speaker on the baby unit (camera). In upper left angle of LCD display of the parent unit (monitor) appears symbol microphone.

## 9. Monitor microphone

### 10. VOX button (sound detection)



: Press the button to activate the VOX functions.

On upper part of the screen will appear symbol



. Press again to turn off the VOX function

(symbol



will disappear from the screen).

In activated VOX mode, LCD display will turn on only when the baby unit detects any sound. If it doesn't detect any sound, the video display stays off.

### 11. Power ON/OFF button



: Press and hold the button to turn on or off monitor. Press the button once to turn on the monitor in ready mode.

**12. Antenna:** Set the antenna upwards for better signal detection.

**13. Monitor holder**






**14. Speaker**

**15. Jack for TF карта** (supports max 128 GB).

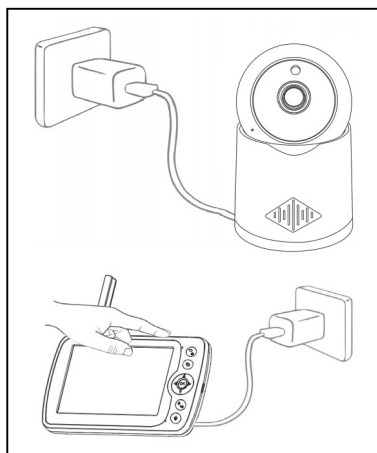
When you insert the card for the first time in the screen, a formatting message will appear. You shall confirm by pressing „OK”.


## SCREEN ICONS



<b>1</b>	Available signal	<b>6</b>	Music aviation
<b>2</b>	Battery power	<b>7</b>	Sound detection: will turn on by VOX activation
<b>3</b>	Available sound	<b>8</b>	Automatic walk among cameras mode
<b>4</b>	Temperature level	<b>9</b>	Icon showing selected camera
<b>5</b>	Activation of feeding time reminder	<b>10</b>	Date and time
	Low battery		No signal
	Sound alarm		Temperature alarm
	Feeding reminder		

### PAIRING OF MONITOR AND CAMERA



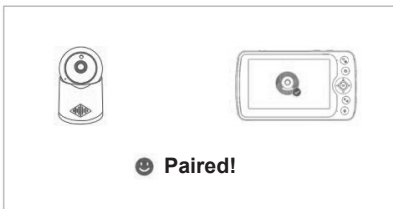
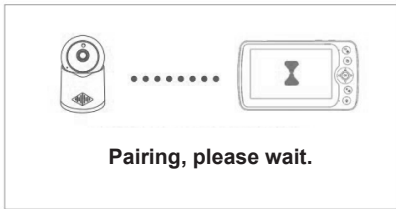
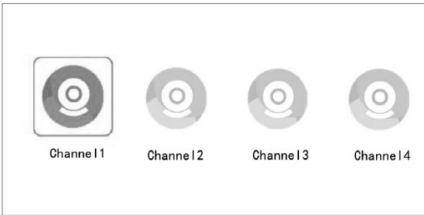
1. Plug the camera in the power supply. After 3-5 s you will hear „system starting up“.
2. Turn on the monitor via power ON/OFF button  .


**ATTENTION!** Make sure that monitor battery is fully charged before you start the pairing process for the first time.


3. After 10s after turning on the camera and monitor, on screen will appear image and after that you can use the monitor.



## 1. CAMERA ADDING



1. Enter the main menu and select icon for cameras (cameras)  .

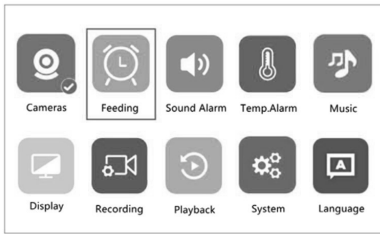
Select icon for camera 1 (Channel 1)  and press button OK to start the pairing process.

2. If you fail to add camera, check if the camera is in power supply.


If it is in, restart the camera and make sure that both devices (camera and monitor) are at distance around 2 m. Add the camera again as described above.

3. If you like to add more than 1 camera, follow the steps described above.

## 2. ADDING FEEDING TIME



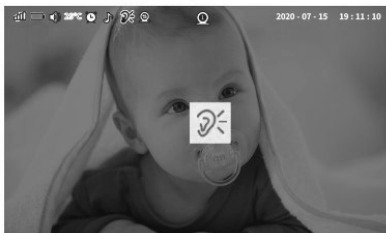
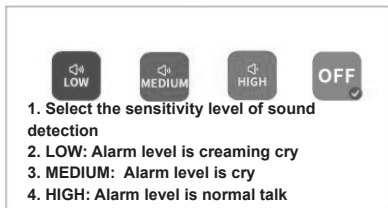
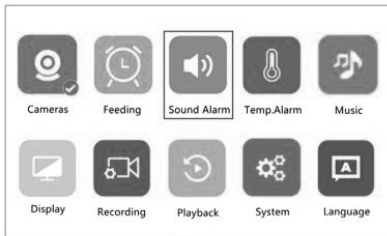
Enter the main menu and select the icon (Feeding)

 . With moving the pointer left or right and button „OK“, select the time interval and number of reminders (1 or constant).

If you don't want to use Feeding function, mark the

icon  .


## 3. SOUND DETECTION



1. Enter the main menu and select the icon Sound


Detection  . Options are: low/medium/high.

With moving the pointer left or right and button „OK“, select one of the options or turn off this

function by marking the icon  .

2. Press button VOX on the monitor to turn on this function and press once again to turn it off (you can turn it off directly from main menu as described in article 1)

3. By activated Sound detection function, when camera detects sound over the selected level, screen will light and this icon will appear in the

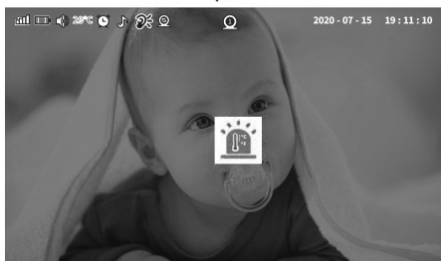
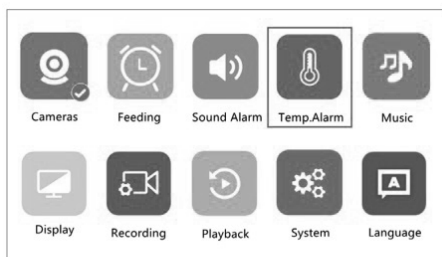
middle  . You will hear a signal from

alarm for around 30s.

If sound stays over the selected level, signal from alarm will be constant.

Press any of the buttons on monitor to turn off the signal from alarm and after that turn off the VOX button too to stop the Sound detection function.

## 4. TEMPERATURE ALARM



1. Enter the main menu and select the icon

(Temp.Alarm)  . You can turn on  OFF

or turn off  ON the alarm for temperature with moving the pointer left or right and button „OK“.


2. You can select the temperature to be measured

in Celsius  °F or Fahrenheit  °C by moving the pointer

left or right and button „OK“.

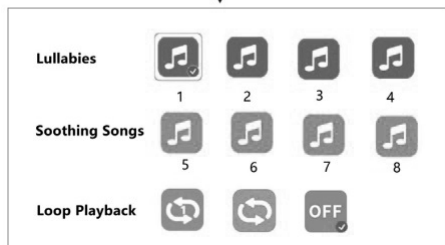
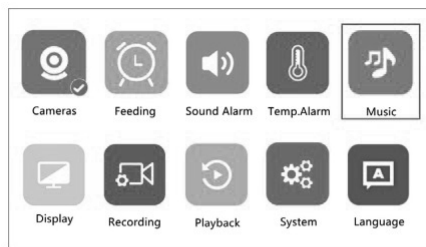
3. Temperature diapason by default is 18-30 °C. If temperature falls down below 18°C or gets higher than 30°C alarm activates.

4. When temperate alarm is activated, screen will


light, this icon will appear in the middle 

and you will hear alarm signal. Signal will continue for 30s. If temperature is constantly over the level (over 30°C), alarm signal will be constant. Press any of the buttons on monitor to turn it off.



## 5. LULLABIES




Enter the main menu and select the icon

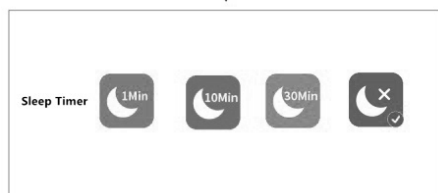
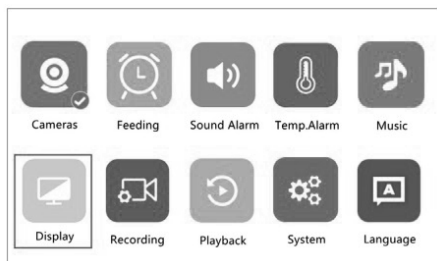
(MUSIC)  . You can choose melodies from № 1 up

to № 8 by moving the pointer left or right and up or down and press button „OK“.


You can choose if to play melody 1  or repeat  .

To turn off this function, select the icon  .

## 6. DISPLAY SETTINGS

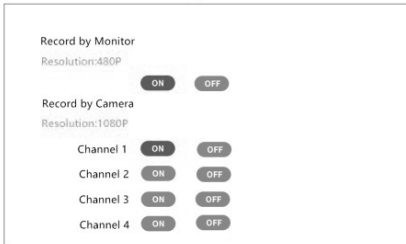
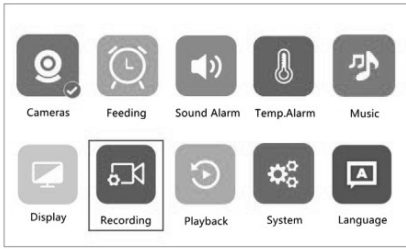


Enter the main menu and select the icon

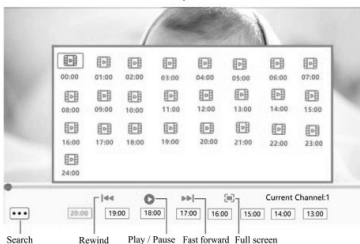
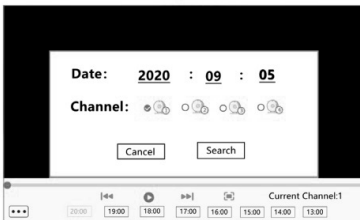
(Display)  .



By default the active time of screen is 1 min. Move the pointer left or right and press the button „OK“ to select time of 1 min,10 min or 30 min.

## 7. VIDEO RECORDING



## 8. VIDEO PLAY



1. Enter the main menu and select the icon (Recording)  . If you do not want to use this function, select icon  to turn it off.


2. **ATTENTION!** Before recording video, you have to set date and time.

3. Before first installation of TF card, you will receive a reminder to format the card. Press „OK“.

4. Camera with TF card can record with resolution 1920\*1080 in mp4. The record cannot be played on the monitor, but only on computer.

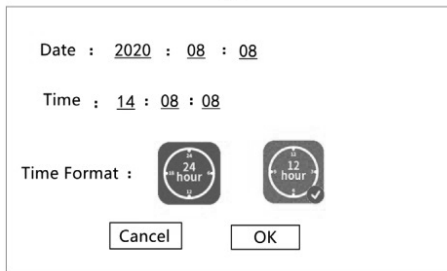
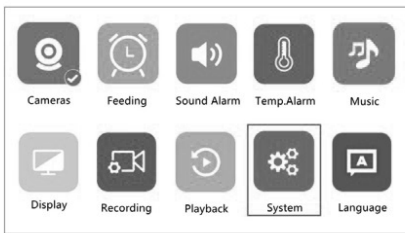
5. Monitor with TF card can also record in resolution 800\*400 in AVI and the record can be played directly on screen of monitor.

Enter the main menu and select the icon

(Video playback)  .

Find the video you want to play and press „OK“.

## 9. SYSTEM SETTINGS



## DATE AND TIME

9.1 Enter the main menu and select the icon

(System)



9.2 Date and time settings

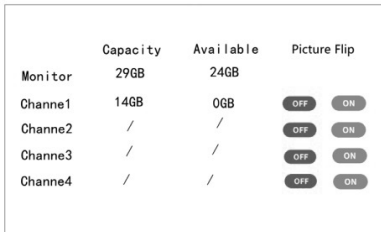
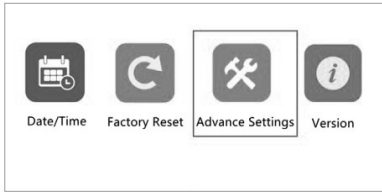
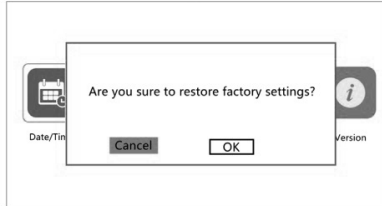
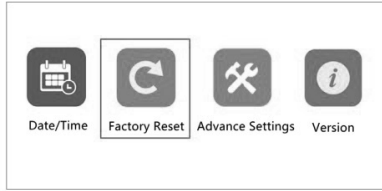


Set date and time by using the pointer up/down and button „OK“.

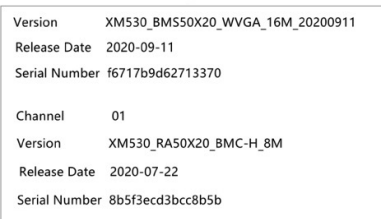
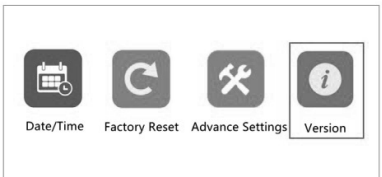
## RESET THE SETTINGS

9.3 Select the icon (Factory reset)  .

Screen with question „Are you sure to restore factory settings?“ appears. If you want to reset, press “OK“.



	Capacity	Avai lable	Picture Flip
Monitor	29GB	24GB	
Channe1	14GB	0GB	<input type="radio"/> OFF <input type="radio"/> ON
Channe2	/	/	<input type="radio"/> OFF <input type="radio"/> ON
Channe3	/	/	<input type="radio"/> OFF <input type="radio"/> ON
Channe4	/	/	<input type="radio"/> OFF <input type="radio"/> ON



Version	XM530_BM550X20_WVGA_16M_20200911
Release Date	2020-09-11
Serial Number	f6717b9d62713370
Channel	01
Version	XM530_RA50X20_BMC-H_8M
Release Date	2020-07-22
Serial Number	8b5f3ecd3bcc8b5b

## ADVANCE SETTINGS

9.4 You can check the general and current capacity of the TF card.

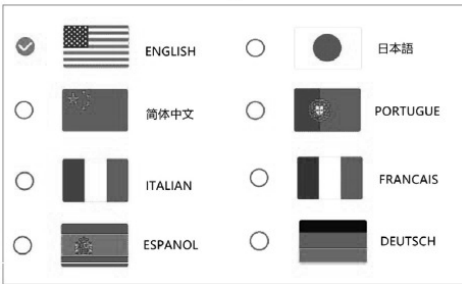
To flip the image you can select „ON“or “OFF“.

## PRODUCT INFORMATION

9.5 Information for the product you can find by

pressing the icon (Version)  .

## 10. LANGUAGE SETTINGS



**ATTENTION!** Before starting to change the languages, make sure that battery is fully charged. Transmission of camera will synchronize with the language on monitor.

Select icon (Language settings) to select the required language.



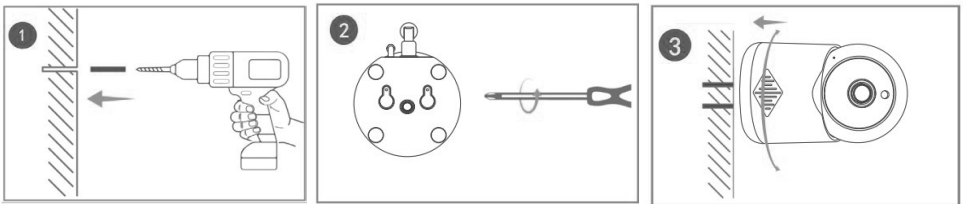
You can choose from 8 different languages:

- Bulgarian
- English
- German
- Spanish
- French
- Russian
- Italian
- Portuguese

**Note:** Shown languages on picture are only for reference.

After you select the language, monitor will restart automatically.

## 11. CAMERA INSTALLATION



Place the baby unit (camera) on suitable place (for example on table) and point the lens to the area that you want to monitor. Adjust the baby unit until you are satisfied from the image in the parent unit (monitor). Camera can be fixed on the wall too, as shown in the figures 1, 2 and 3.

**ATTENTION!** Do not place the baby unit (camera) in baby's access area! If there are interferences in image or sound, move the devices to different places and make sure they are not too close to another electrical devices.



## 12. SILICONE HOLDER OF THE CAMERA

You can use the silicone holder to attach the camera to baby's bed/cot, on table or another suitable place.



## TROUBLE SHOOTING

PROBLEM	SOLUTION
<b>Monitor does not show image from camera</b>	<ol style="list-style-type: none"><li>1. Check if camera is plugged into power supply.</li><li>2. If camera is plugged into power supply, reset it and add camera as shown in article 1 – CAMERA ADDING</li></ol>
<b>There is annoying sound during using function for talking (sound detection) at close distance</b>	When camera and monitor are at distance 2m from each other, it is possible to appear noise and this is normal. Set the volume control lower or place the camera and monitor at bigger distance from each other.
<b>Battery power falls fast</b>	<ol style="list-style-type: none"><li>1. If the mode for monitor readiness is not activated and it works constantly, power of the battery will fall faster. To save the battery power, select time for screen off 30 s or 60s.</li><li>2. Set the brightness of screen low.</li></ol>

## CARE AND MAINTENANCE

- Do not step on the power supply cable and keep it from twisting especially around the connectors, socket and the point where the cable comes out of the unit.
- Keep the units for the parent and baby and the adaptors so that they will have sufficient ventilation. Do not cover them with clothes, towels, covers, etc.
- Always unplug the units from the sockets whenever there is thunder or if you will not use them for a long time.
- Do not immerse the parent or baby units in water, do not wash them with running water.
- Clean the parts of the baby monitor and adaptors with a dry towel after you have turned the units off and unplugged the adaptors from the electricity network.
- Fingerprints and dust on the lens of the baby unit may affect the performance of the camera. Avoid touching the lens with fingers.
- Store in a dry and cool place.

### **ADVICE FOR CORRECT USE:**

- Make sure all parts of the products are in good working order.
- Make sure the parent and baby units have full coverage.
- Make sure the battery in the parent unit is completely charged;
- Make sure the baby unit is plugged in the power source by the adaptor and that there is electricity in the network.

**VIBEFOR02301WH/JLT-D502**

**CHIPOLINO**

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[www.chipolino.com](http://www.chipolino.com)