

Thank you for purchasing NUVITA 3015 TULE STARRY AUDIO BABY MONITOR. Our product has been manufactured and checked under the strictest possible quality control to ensure that each monitor leaves the factory in perfect condition. In the unlikely event you find any defects or have any problem, please contact our dealer or service center.

Please read this manual carefully to obtain maximum performance and extended service life from the unit.

ABOUT NUVITA TULE

Nuvita TULE-equipped products can automatically select free channel or hop to free channel during communication to avoid interference from other electronic devices. In addition, Nuvita TULE technology allow our products to detect the signal power between the baby unit and parent unit, then automatically reduces the emission power from baby unit when the two units are in close vicinity. As a result, the level of radiation to baby is greatly reduced and always at the minimal level. Nuvita TULE technology helps to protect the baby's health for now and future.

DECT and 2.4GHz solution are most common wireless technology applied in baby monitor telecommunication. DECT is Digital Enhanced Cordless Technology, widely used in household wireless telephones. 2.4GHz solution is using the 2.4GHz bandwidth for signal transfer. Both DECT and 2.4GHZ were developed for adult use, then apply to baby monitors. Nuvita TULE, True Ultra Low Emission Technology, is Exclusively Developed for Baby monitors having in mind that the baby's health is always our First Priority.

WARNING

NUVITA 3015 TULE STARRY AUDIO BABY MONITOR should not be regarded as a medical device. Premature babies or those considered to be at risk should be under the supervision of your doctor or health personnel.

Direct supervision of your baby at a regular interval by a responsible adult is strongly recommended in addition to using NUVITA 3015 TULE STARRY AUDIO BABY MONITOR.

DIGITAL TECHNOLOGY AND APRS

This baby monitor employs full digital technology with zero interference on standby.

The unit can automatically select free channel or hop to free channel during communication to avoid interference from other electronic devices. In addition, thanks to the Automatic Power Reduction System (APRS) which senses the signal strength between the baby and parent unit and automatically reduces the emission power from baby unit when the two units are in close vicinity. The level of radiation to baby is greatly reduced.

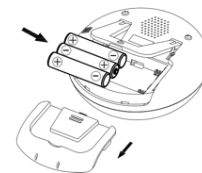
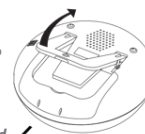
POWER SUPPLY

BABY UNIT

1. Operation from batteries

Pull up the support lever and slide open the battery door in direction as shown. Insert 3 pieces AAA size (UM-4) alkaline batteries into the compartment. Observe correct polarities indication. Install back the battery door.

Note: For best performance, do not mix use old and new batteries or alkaline and rechargeable batteries.



Starry



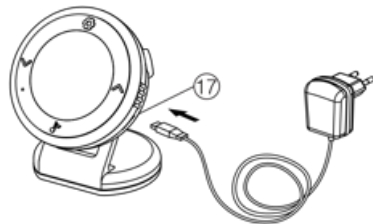
2. Operation using AC adapter

The unit can be operated on AC mains using the supplied 5V AC adapter. Connect the output plug of adapter to USB port 9. The power supply from the battery will be cut off once the adapter's output plug is inserted into USB port 9.

PARENT UNIT

1. Equipped Lithium battery

The Lithium battery is partially charged and already installed in the unit.



2. Charging the Lithium battery

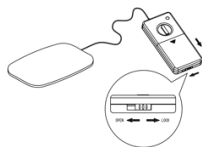
Connect the output plug of supplied 5V AC adapter to USB port 17. With the unit being switched off, the POWER/CHARGING indicator will be RED and "CH" will show up on screen for 5 sec.

Once battery is fully charged (~ 4 hours), the POWER/CHARGING indicator will go off or turn green (if unit is switched on). Now the unit is ready to use. Either you can disconnect the AC adapter or keep connecting, this will cause no damage to the battery. In the latter case, when the battery level is low, AC adapter will automatically start charging up the battery again.

Note: Before using the parent unit for the first time, charge up the Lithium battery for at least 4 hours. It is recommended to switch off the unit during first charging.

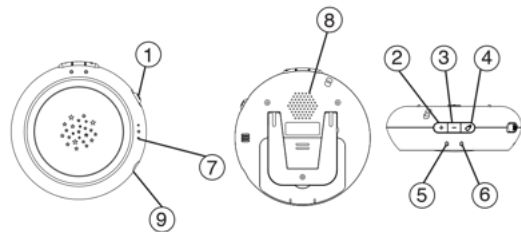
BABY BABY MOTION SENSOR MAT (SOLD SEPARATELY)

Slide the lock lever to OPEN position, Slide Open the battery door in direction as shown. Observe correct polarities, Install 3 pcs AAA alkaline batteries. Slide Close battery door and Slide the lever back to lock position. Under normal operation, the battery can last for up to 50days.



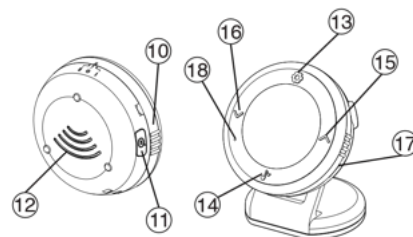
CONTROLS LAYOUT

BABY UNIT



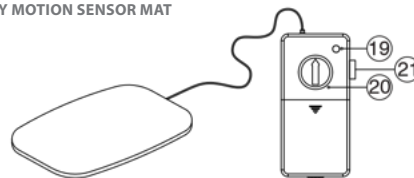
1. Power ON/OFF switch
2. Up + button
3. Down - button
4. Feeding timer button
5. Power On/battery low indicator
6. Transmit indicator
7. Microphone
8. Speaker
9. USB port

PARENT UNIT



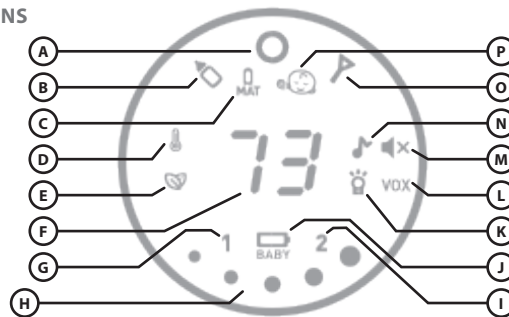
10. Power On/Off/vibration selection ring
11. Talk back button
12. Speaker
13. Setting button
14. Music button
15. Up button
16. Down button
17. USB port
18. Microphone

BABY MOTION SENSOR MAT



19. Movement indicator
20. Movement sensitivity knob
21. Alarm hold button

SCREEN ICONS



- | | | |
|---|------------------------------------|-------------------------------|
| A Power Indicator:
Green - On
Flashing Green - Battery low
Red - Under Charging | E Ultra safe mode indicator | L Night light VOX |
| B Feeding Timer | F Baby's room temperature | M Speaker mute |
| C Baby Motion Sensor Mat
battery low | G Baby unit 1 | N Lullaby on |
| D Temperature alert | H Sound level meter | O Out-of-range |
| | I Baby unit 2 | P Baby breathing alert |
| | J Baby unit battery low | |
| | K Night light on | |

PAIRING

This process is to match the PU with BU and Baby motion sensor mat so that they can communicate with each other while no other devices (even baby monitor of identical model) can interfere with you or receiving your signal.

The PU and BU are already paired when they are shipped from factory. However, it is necessary to perform pairing again when extra BU is added to work with the PU.

PAIRING PARENT UNIT (PU) AND BABY UNIT (BU)

1. Press Hold button 13 of PU.
2. Rotate the side ring to switch on unit, then release button 13 after Beep sound. The icon screen will show "1" and "P" flashing.
3. Press Hold button "+" of BU and Set ON/OFF switch to "ON" position until the TRANSMIT indicator lights up, then release "+" button. The TRANSMIT indicator will start flashing. Repeat same procedure for the other BU, if any.
4. Press the FEEDING TIMER button on one of the BU, the TRANSMIT indicator becomes steady and beep sound 2 times will be heard.
5. At the same time, "P" icon on PU screen will stop flashing which represent the pairing process is performed successfully. This BU will be BU No 1.
6. Now press button 15 on PU, the PU screen will show "2" and a "P" flashing.
7. Repeat step 3-4 for the other BU. The "P" on PU screen will stop flashing which represent the pairing process is performed successfully. This BU will be BU no. 2.
8. Switch off all the units and switch them on again, the baby monitor is now ready for operation.
9. In case the PU and BU cannot communicate with each other, repeat pairing process again.

PAIRING BABY MOTION SENSOR MAT

10. The pairing between BU and Baby Motion Sensor Mat should be performed after the successful pairing between BU and PU or otherwise the system will not operate properly.
11. Set the BU into pairing mode by repeating step 3 above.
12. While pressing down the alarm hold button 21 on Mat, switch on the Mat by turning the knob 20 clockwise, now release hold button 21. Press the feeder timer button 4 on BU, the TRANSMIT indicator shows steady on and beep sound 2 times will be heard from the BU, indicating the pairing is successful. In case you have 2 Baby Motion Sensor Mats to be paired to two BU, Please pair each one in turn with the other BU being switched off.
13. Switch off both the BU and sensor mat, then switch on again for normal operation, probably you will hear the abnormal breathing alarm in PU after 20 sec in case nothing is placed on the Baby Motion Sensor Mat. Slight tap the mat few times and the alarm will stop, this shows the system is working properly.

Note: When it is no longer necessary to monitor the baby's breathing as he grows older, the Baby Motion Sensor Mat is required to unpair from BU to avoid false alarm. To achieve this perform pairing process again between PU & BU by repeating above steps 1-8, but leave out steps 11-13.

HOW TO USE

BABY UNIT

1. Set the power ON/OFF switch to ON position, the POWER indicator should light up STEADY GREEN, if it starts flashing, the battery is running out. Either replace with new batteries or use the AC adapter as power supply. The battery low alert of BU is also shown as icon "J" on PU screen.
2. Place the BU about 1m from the baby's crib with the microphone facing towards the baby.

3. Adjust the microphone sensitivity using the "+ -" button to acquire your desirable sound volume. The TRANSMIT indicator will blink everytime these buttons are pressed, more number of blinks mean the microphone is more sensitive to sound (maximum is 5 blinks and minimum is 1 blink). Press + to increase and - to decrease the microphone sensitivity.
4. Once the BU is in transmit mode, the TRANSMIT indicator will light up RED. The unit will return to standby mode a few seconds after the microphone stops picking up any sound and the TRANSMIT indicator goes off.
5. This baby monitor is equipped with LISTEN & TALK and LULLABY function so that the parent can speak or play lullabies to comfort baby. The volume of parent's voice or music from speaker on BU can be adjusted by press the "+ -" button on BU.



Note: While there is music or parent's voice heard from speaker, the "+ -" button can be used to adjust volume. Under normal mode when there is no sound from speaker, the "+ -" button will only adjust the microphone sensitivity.

6. The starry night projector can be set to permanently ON or VOX (voice activated) remotely by the PU. Under VOX mode, the starry night projector is switched on once the microphone detects a sound and goes off a few seconds after the microphone stops picking up any sound. The starry night can be projected on the ceiling or wall by making the BU to stand on its support lever.
7. Press the FEEDING TIMER button on BU to initiate the feeding timer countdown in PU, beep sound 2 times will be heard. The PU screen will show icon B flashing and once the set period has elapsed, an alarm will be heard and icon B show flashing to remind parents to feed the baby.

Note: If the PU feeding time setting is changed after pressing FEEDING TIMER button on BU, the feeding countdown will follow the previous setting time. The new-set feeding time will only be in effect by pressing FEEDING TIMER button on BU again after the change of PU feeding time setting.

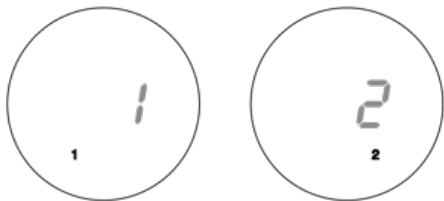
8. The temperature sensor inside unit detects the ambient temperature and its current reading is shown on the PU screen. The normal operating range of sensor is -19° C (-20°F) to +50° C (122°F). Temperature outside this range will be shown as "- -" on the PU screen. In case there is a sudden big temperature change (e.g. you bring out the unit from indoor to outdoor during winter time), the sensor may need to take a few minutes before it can adapt to the new environment and show the correct reading on the PU screen.

PARENT UNIT

1. Rotate the side ring clockwise or anti-clockwise to switch on the unit (Clockwise – vibration ON /Anti-clockwise – vibration OFF).
2. The PU screen will auto-sleep in around 20 sec if there is no sound from baby.
3. Normally, the POWER indicator will show GREEN. When battery is running out, it will start FLASHING GREEN. Once the unit is under charge, this indicator will show RED.
4. To enter setting mode, long press the button 13 for 2 seconds. The PU screen will show either following:

POWER ON

1. WHEN THE PARENT UNIT IS PAIRED TO TWO BABY UNITS



Use the ▲ and ▼ buttons 15 and 16 to select between the Baby Unit to be set, press button 13 to confirm.

2. WHEN THE PU IS PAIRED TO ONLY ONE BU

STARRY NIGHT LIGHT

Use the buttons 15 16 to select between OFF, ON or VOX for the starry night projector, press button 13 to confirm.

ULTRA SAVE MODE

Use the buttons 15 16 to select between OFF or ON. Press button 13 to confirm.

ON:
There is zero radiation from BU during standby mode, Icon "E" will show up on icon screen.

Note: However, no alarm will be provided when PU exceeds the communicating range of BU.

OFF:
Once the PU is unable to receive signal from BU, an alarm will be heard and icon "O" show flashing on PU screen.

HIGH TEMPERATURE ALARM

Use buttons 15 16 to select a high limit (allowable range from 10°C/50°F to +50°C/122°F) above which the PU will provide alarm (icon "D" will show on PU screen in red colour and temperature reading flashing). In case OFF is selected, no limit is set. Press button 13 to confirm.

LOW TEMPERATURE ALARM

Use buttons 15 16 to select a low limit (allowable range is -9°C/16°F to 3° below the selected high limit) below which the PU will provide an alarm (icon "D" will show on PU screen in white colour and temperature reading flashing). In case OFF is selected, no limit is set. Press button 13 to confirm.

FEEDING TIMER

This function acts like a timer and remind parents of the next feeding time. The timer can be set from 1 hour to 8 hours in 0.5 hour step. Once the set period has elapsed, an alarm will be heard and icon "B" flashing in PU screen. In case OFF is selected, no timer is set. Use buttons 15 16 to select, press button 13 to confirm.

- Flashing
- Steady



BREATHING ALERT

This feature is useful when the BU is paired to a Baby Motion Sensor Mat. Use buttons 15 16 to select between ON or OFF, press button 13 to confirm.

ON – The PU will monitor the breathing movement of baby.

In case there is no movement for over 20 sec, it will provide sound alarm and flashing to alert parents.

Moreover, the PU will provide an alarm in case sensor mat battery is low (icon "D" show flashing on icon screen) or sensor mat is out of range from BU (icon "D" and "O" show flashing on icon screen).

OFF – The PU will stop monitoring the movement of baby. Under such mode, the PU also will not provide an alarm in case the sensor mat battery level is low or the sensor mat is out of range from BU.

RECEIVING SIGNAL

- Place the PU at a reasonable distance away from BU to avoid feedback. Too short distance will create a screeching sound at the speaker.
- Once the PU receives a signal, the PU screen will light up and depending the signal is coming from which BU, the corresponding baby unit no. will show up together with other information (room temperature, battery level, starry night projector status) of that BU.

Note: In case the PU is paired to only one BU, the icon screen will not show the baby unit no.

SPEAKER FEATURE

- The speaker volume can be adjusted using buttons 15 16.
- The temperature reading also change correspondingly during adjustment to show the level (1 to 5) being selected. When the level is set to minimum and " " show up on PU screen, the speaker is totally muted. Under such circumstances, the parents can still monitor the baby activities by looking at the sound level meter.
- If the PU is paired to work with two BUs, BU no. 1 always has top priority. This means while the unit is listening to signal from BU no. 2, in case BU no. 1 starts transmitting, PU will immediately switch listening to BU no.1 until it stops to transmit, then it will switch back to listen to BU no.2.
- To avoid parent missing the attendance to BU no.2, while PU is listening to signal from BU no.1, in case BU no. 2 starts to transmit, "2" will show flashing on icon screen to alert parent. If parent prefers to listen to BU no. 2, he can short press button 13 and PU switches listening to BU no.2 while "1" go flashing (if BU no. 1 still transmitting). Further press of button 13 will switch back to BU no. 1 again. Under such arrangement, the parent is able to monitor both babies.
- Under standby mode, the PU will alternately scan between the two BUs for activities. When either one of the BU starts to transmit, the PU will immediately listen to that BU and the icon screen will only show information from it until the signal goes off.

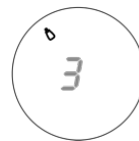
VIBRATION FEATURE

When the PU is set to ON with vibration, whenever a baby's voice is detected, the vibrator starts functioning. This feature is useful when the parent is working under noisy environment (eg. vacuum cleaning). To save battery power, it is recommended not to use the vibrating alert frequently.

OUT OF RANGE

Once the PU is beyond the communication range of BU for over 30 sec, an out of range alarm will be heard (OFF is selected in setting of Ultra safe mode), icon "O" flashing on icon screen, the temperature reading will show " -- ". The alarm will only go off when the PU falls back within the communication range of BU.

Note: This alarm will also be heard in case the BU is switched off, or its battery has run out, or its power supply is cut off.



AMBIENT TEMPERATURE

Whenever the baby's room temperature falls outside the range as preset by the high and low temperature limits, an alarm will be heard, icon "D" in red or white colour will show up and temperature reading starts flashing on icon screen.

LULLABY

- The LULLABY function on BU can be remotely controlled by parents. Short press button 14 to turn on music, while the no. 1 – 6 flashing on icon screen, use buttons 15 16 to select the music. To stop music, short press button 14 again. Once the music starts, it will play for 20 min and then stop automatically. Such arrangement is to avoid waking up the baby in case he falls asleep. When baby starts crying again for over 15 sec., the music will resume playing for another 20 min and then stop, detecting for further baby cry. During music playing, if the "TALK" button is pressed, the music will be paused and BU will only hear the parent's voice.

Note: Once the no. 1 – 6 changes back to temperature reading, pressing buttons 15 16 to adjust the PU speaker volume but not selecting the music. During music playing, the baby's cry may not become noticeable since the music may distract the parent's attention. So it is strongly recommended to turn off the music momentarily at regular intervals to listen to activity of baby.

- It is possible for parent to talk back to baby to soothe baby's emotion. Press hold button 11, icon "O" show up on icon screen. Speak towards the microphone. Release button 11 after finish speaking. It is worth noted that the parent can talk back anytime they prefer, even when the BU is transmitting.

Note: Each time button 11 is short pressed and released, the BU will be set to transmit for 10 sec before returning to standby mode (even baby is not making any sound). This is useful for parents to monitor the activity of baby's room when baby is sleeping.

- The various alarm is designed to have following priority (only one kind of alarm can be heard at any time to avoid confusion):
Out of range alarm > Breathing alert > Temperature alarm > Feeding alarm > Battery low alarm
- Each time anyone of button 13 14 15 16 is pressed, a beep tone will be heard to validate your entry.

HOW TO DISABLE ALARM SOUND

An alarm can be muted by short press of any one button 11 13 15 16. However, the alarm icon will keep showing on icon screen until the condition is rectified.

PRECAUTIONS

- Use only the supplied AC adapters, use of other adapters may cause damage to the baby monitor.
- When not using the monitor for a long period of time, remove all batteries from the PU, BU and Baby Motion Sensor Mat to avoid damage due to battery leakage.
- Disconnect the AC adapter from the wall outlet when the monitor is not to be operated.
- The unit is best performed within a temperature range of -10°C/14°F to +50°C/122°F.
- Do not open the cabinet, no serviceable parts inside.
- The unit should not be exposed to dripping, splashing and that no objects filled with liquids, such as vases shall be placed on it.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable
- Only use the power supply as included in the packaging.

CLEANING

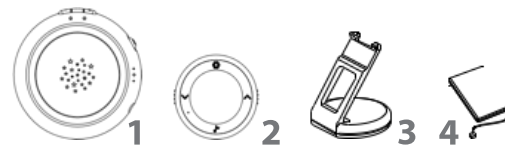
- Clean the Baby Monitor with a slightly damp cloth or with an anti-static cloth.
- Never use cleaning agents or abrasive solvents.
- Do not clean any part of the product with thinners or other solvents and chemicals – this may cause permanent damage to the product which is not covered by the warranty.
- Keep the Baby Monitor away from hot, humid areas or strong sunlight, and don't let it get wet.
- If something does go wrong, please do not try to repair it yourself – contact Customer Service for assistance.

DISPOSAL OF THE DEVICE (ENVIRONMENT)

At the end of the product lifecycle, you should not dispose of this product with normal household waste. Take this product to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, user's guide and/or box indicates this. Some of the product materials can be reused if you take them to a recycling point. By reusing some parts or raw materials from used products you make an important contribution to the protection of the environment. Please contact your local authorities in case you need more information on the collection points in your area. The internal battery should be disposed of with the Parent unit in an environmentally-friendly manner according to your local regulations.

PACKAGE CONTENTS

- Baby unit
- Parent unit with belt clip
- Stand for Parent Unit
- 5V AC adapters x 2



TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSES	SOLUTION
Baby Unit has no transmission	Mic sensitivity is too low	Adjust mic sensitivity higher by using + button 2
	Battery has run out or USB cable improperly connected	Replace with new battery or check connection
Always transmitting	Mic sensitivity is too high	Adjust mic sensitivity lower using - button 3
Out-of -range alarm always on	Baby Unit battery has run down	Replace with new battery or use USB cable connecting to 5V supply.
	Distance between Baby Unit and Parent Unit exceeds the operating range	Move the Baby Unit and Parent Unit closer together.
	Pairing is not successful	Perform pairing again.

Temperature alarm always on	The high and low temperature limit is set too close to the current reading	Set the high and low temperature limit around 5° difference from current reading
Icon "P" always show flashing and	Baby is not in the crib	Place baby back to crib or set breathing alert to OFF
	Sensitivity of sensor mat is not properly set	Adjust sensitivity using movement sensitivity knob such that the movement indicator blink in pace with baby's breathing
Icon "D" and "O" always show flashing	Baby's breathing is abnormal	Take immediate care of baby and consult doctor
	Sensor mat is off	Switch on sensor mat using movement sensitivity knob
	Battery of sensor mat is running down	Replace with new battery
Always showing low battery alert	Distance between BU and mat exceed 10m	Move BU closer to sensor mat
Battery life is short	Battery has run down	Recharge battery using AC adapter (PU).
		Replace with new battery or use AC adapter (BU & mat)
Too short communication range	Starry night projector & music is permanently switched on	Switch off starry night projector & music or set to VOX operate(BU)
PU & BU cannot communication with each other	Vibration alert is switched on	Switch off vibration alert(PU)
	Many steel structures between BU and PU	Re-locate BU or PU
	BU battery has run down	Replace with new battery or use AC adapter
	Pairing is lost	Perform pairing process again

FEATURES

1. Full digital technique operating in the 863-870MHz or 902-928MHz with zero interference
2. Operating range 600m in open space
3. Low radiating power (only 10% of normal DECT or 50% of ECO DECT)
4. Talk back function on parent unit to soothe your baby
5. Capable of using two baby units to monitor more babies

6. Starry night light projector and lullaby function on baby unit with capability to remotely control from parent unit and VOX mode supported
7. Baby's room temperature indication on parent unit with Hi/Lo temperature alert
8. Battery status indicator and low battery alert on both baby and parent unit
9. Digitally adjustable microphone sensitivity
10. Audio and visual alert for out of range
11. Vibration alert
12. Baby feeding timer
13. Parent unit operate with Li rechargeable battery
14. Optional Baby Motion Sensor Mat wirelessly connected (up to 2 Mats at same time) to baby unit to monitor baby's breathing rhythm.

SPECIFICATION

Operating frequency 863-870MHz(EU) or 902-928MHz(US) FHSS digital

Power supply Baby unit - 3 x 1.5 V AAA (UM-4) alkaline battery or DC 5V 600mA Adapter
Parent unit - 3.7V 750mAh Li rechargeable battery or DC 5V 600mA Adapter

Battery life time Baby unit – 150 hours under starry standby mode, 150 hours under standby mode with starry deactivated
Parent unit – 110 hours under standby mode

Communication range 600m in open space

WARRANTY TERMS AND CONDITIONS

This product benefits of a warranty of 24 months on material and manufacturing defects, starting from the date of purchase (see sales slip).

The warranty of 24 months does not include damages caused by the usual use of parties identified as "consumable" (e.g., batteries, brush heads or parts subject to usury).

The legal guarantee of 24 months is void if:

1. The product has undergone aesthetic damage due to improper use not in accordance with instructions in the manual.
2. This product has been modified and/or tampered with.
3. The cause of the failure was due to poor maintenance of the individual components and/or accessories and/or supplies (e.g. oxidation and/or scaling due to the retention of water or other liquids, sediment blocking the sensor, leak of corrosive liquid from batteries).

The following is excluded from the legal guarantee of 24 months:

1. Costs related to replacements and/or repair of parts subject to wear or costs for ordinary maintenance of the product.
2. The costs and risks involved in transporting the product to and from the store where you purchased or otherwise authorized collection centre to receive the products under warranty.

3. Damage caused by or resulting from improper installation or improper use not in accordance with the directions in the instruction manual.
4. Damage due to natural disasters, accidental events or adverse conditions not compatible with the product.
5. Defects that have a negligible effect on product performance.

The manufacturer, distributor and all the parties involved in the sale do not assume any liability for losses and economic damage from any malfunction of the product. In accordance with current regulations the manufacturer, distributor and all the parties involved in the sale are not responding in any case for damages, including direct, indirect ones, loss of net income, loss of savings and additional damage and other details consequences going beyond the damage caused by the breach of warranty, contract, strict liability, wrongdoing or due to other causes, resulting from the use or inability to use the product and/or paper and electronic documents, including the lack of service.

For further information on the help service visit the website www.nuvitababy.com