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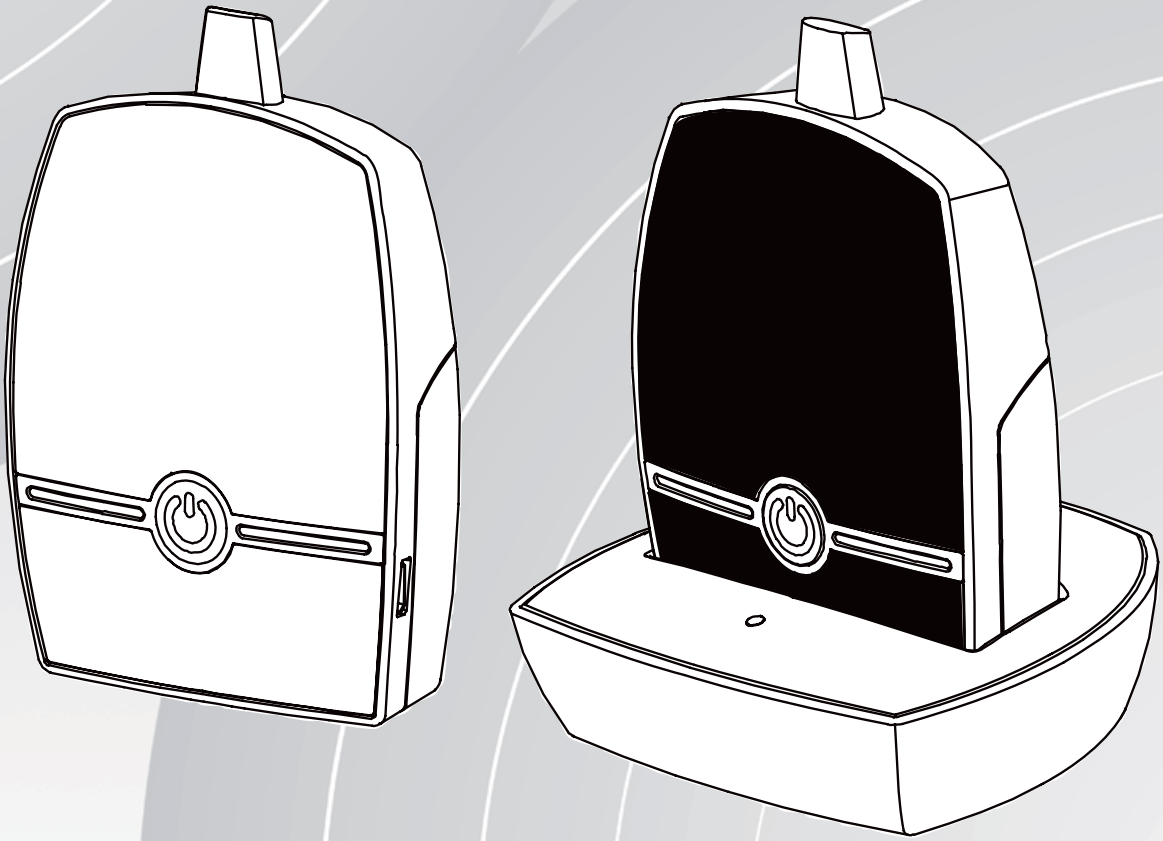
Instruction Manual



Thank you for purchasing our A014201 digital green baby monitor. Your unit 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.

Features

- Full digital technique operating in the 902.000MHz---928.000MHz with zero interference
- Automatic hop and search for free channel
- Operating range 800m in open space
- Low radiating power (only 10% of normal DECT or 50% of ECO DECT)
- Automatic power reduction system further reduce radiation level to 40% when baby unit and parent unit are within close vicinity
- Talk back function on parent unit to soothe your baby
- Capable of using multiple baby units to monitor more babies
- Night light on baby unit with adjustable intensity level
- Baby's room temperature indication on both baby and parent unit
- Battery status indicator and low battery alert on both baby and parent unit
- Digitally adjustable microphone sensitivity
- Audio and visual alert for out of range
- Audio and visual Hi/Lo temperature alert
- Digital volume control
- Vibration alert
- LED sound level meter
- Parent unit operate with Li rechargeable battery
- Sensor Touch Keys

WARNING

The A014201 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 the A014201.

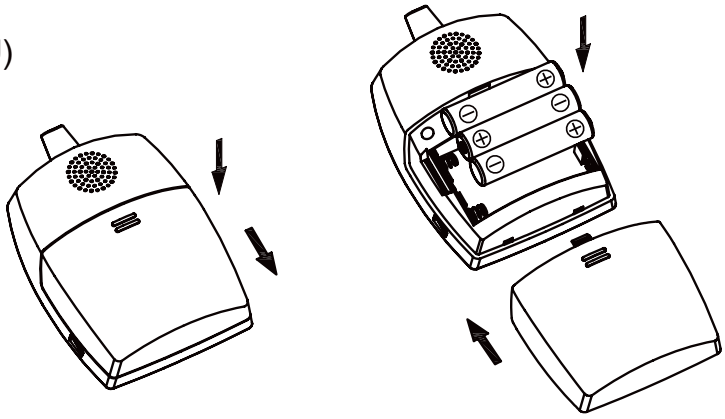
DIGITAL TECHNOLOGY AND APRS

This baby monitor employs full digital technology with zero interference.

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.

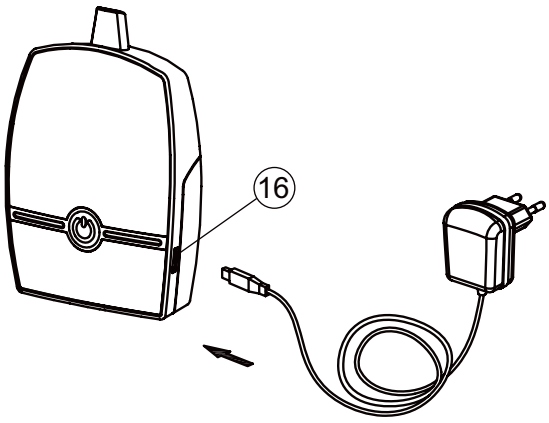
POWER SUPPLY

(A) Baby Unit (BU)



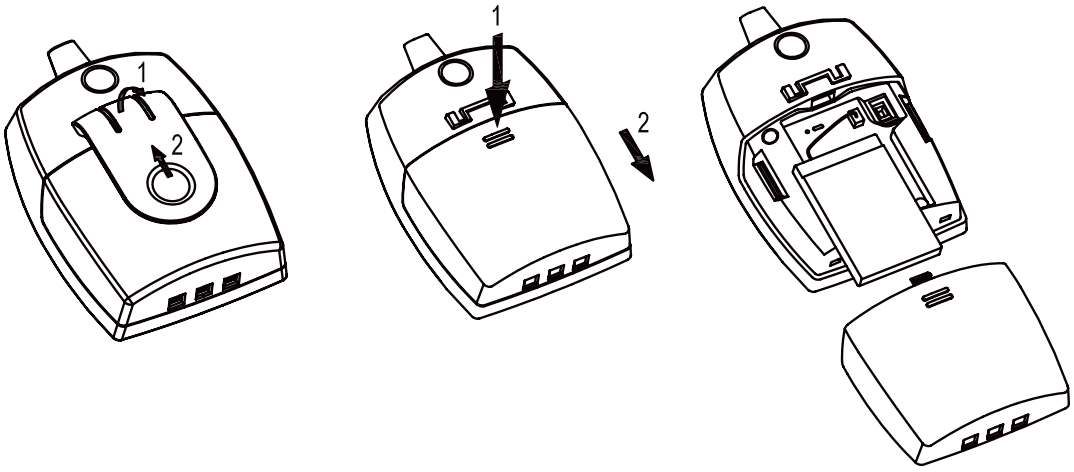
1. Operation from batteries
   Press down and slide open the battery door in direction as shown. Insert three pieces AAA size (UM-4) alkaline batteries into the compartment. Observe correct polarities indication.

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

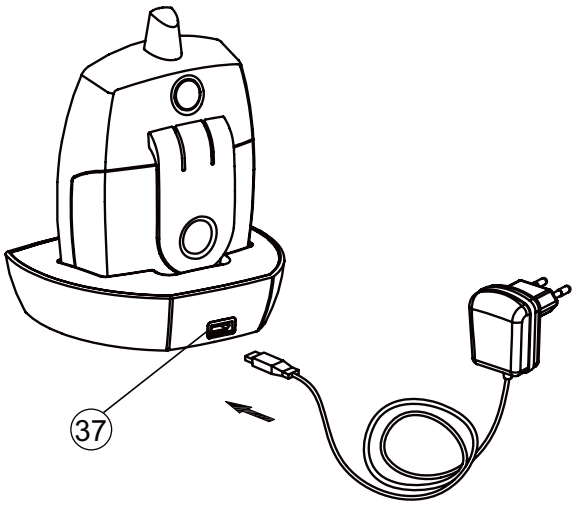


2. Operation using AC adapter
   The unit can be operated on AC mains using the supplied 5V AC adapter. Connect the output plug of adapter to USB port (16) , make sure the polarity is correct. The power supply from the battery will be cut off once the adapter's output plug is inserted into USB port (16) .

(B) Parent Unit (PU)



1. Operation from battery pack
   The Li polymer battery pack is already installed in the unit. To exchange battery pack, remove belt clip and slide open the battery door in direction as shown, take out the battery pack and disconnect from socket.



2. Charging up the Lithium rechargeable battery
   Connect the output plug of supplied 5V AC adapter to USB port (37) of the charger stand, make sure the polarity is correct. The unit can either be in switch ON or OFF condition, place it into the charger stand. The charging indicator (36) should light up white. Adjust the position of parent unit in case the indicator (36) does not light up. During charging, the power on / battery low icon (27) should be flashing red. Once the battery is fully charged up, the power on / battery low icon (27) should stay steady green. Either you can take it out or keep placing it in the charger stand will cause no damage to battery. In the latter case, when the battery is being consumed and voltage falls to a certain level, the charger stand will automatically start charging up the battery again.

Note : Before using the parent unit for the first time, charge up the Li polymer battery for at least three hours. It is recommended to switch off the unit during first charging.
Even without the Li battery pack being installed, the unit can still oprate normally once place in changer stand, while the power on icon (27) will always stay steady green.

⚠ CAUTION : BESURE THE BATTERY IN PARENT UNIT IS RECHARGEABLE TYPE BEFORE PLACING IN CHARGER STAND. OTHERWISE EXPLSION MY RESULT .

PAIRING

This process is to match the parent unit with baby unit 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 baby and parent unit are already paired when they are shipped from factory. However, we recommend to perform pairing process again in case interference is experienced or when extra BU is added to work with the PU.

1. Press and hold the talk button (35) of PU.
2. Long press the power ON/OFF button ⏻ (18) and wait until a P starts flashing green. Release both buttons (18) and (35).

steady
flashing

3. Long press the ON/OFF button ⏻ (1) for 3 sec to switch on the BU. Now touch and hold icon for 5 sec and wait until a P show steady green while the BU number icon (15) 1 or 2 starts flashing green. Release the finger touching icon (15). Perform same to the other BU that can be purchased optionally.

4. Use the ▲▼ touch keys (2) (3) to set the BU number to either 1 or 2. DO NOT set both BU to same number or otherwise the system will not operate normally. Short press the ⏻ button (1) to confirm your setting, the BU number now show steady while P starts flashing.

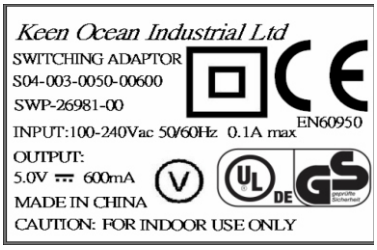
5. Now short press again the power ON/OFF button ⏻ (1) of one BU. If pairing is successful,the P on both PU and BU should change steady green while two beep sound is heard in PU with the corresponding BU number icon (33) or (34) being shown up.

6.Shortpress ⏻button (1) oftheremainingBU,twobeepsoundisheardinPUwith the P flashestwotimesandthecorrespondingBUnumbershowup.The P onthis BU change from flashing to become steady green.

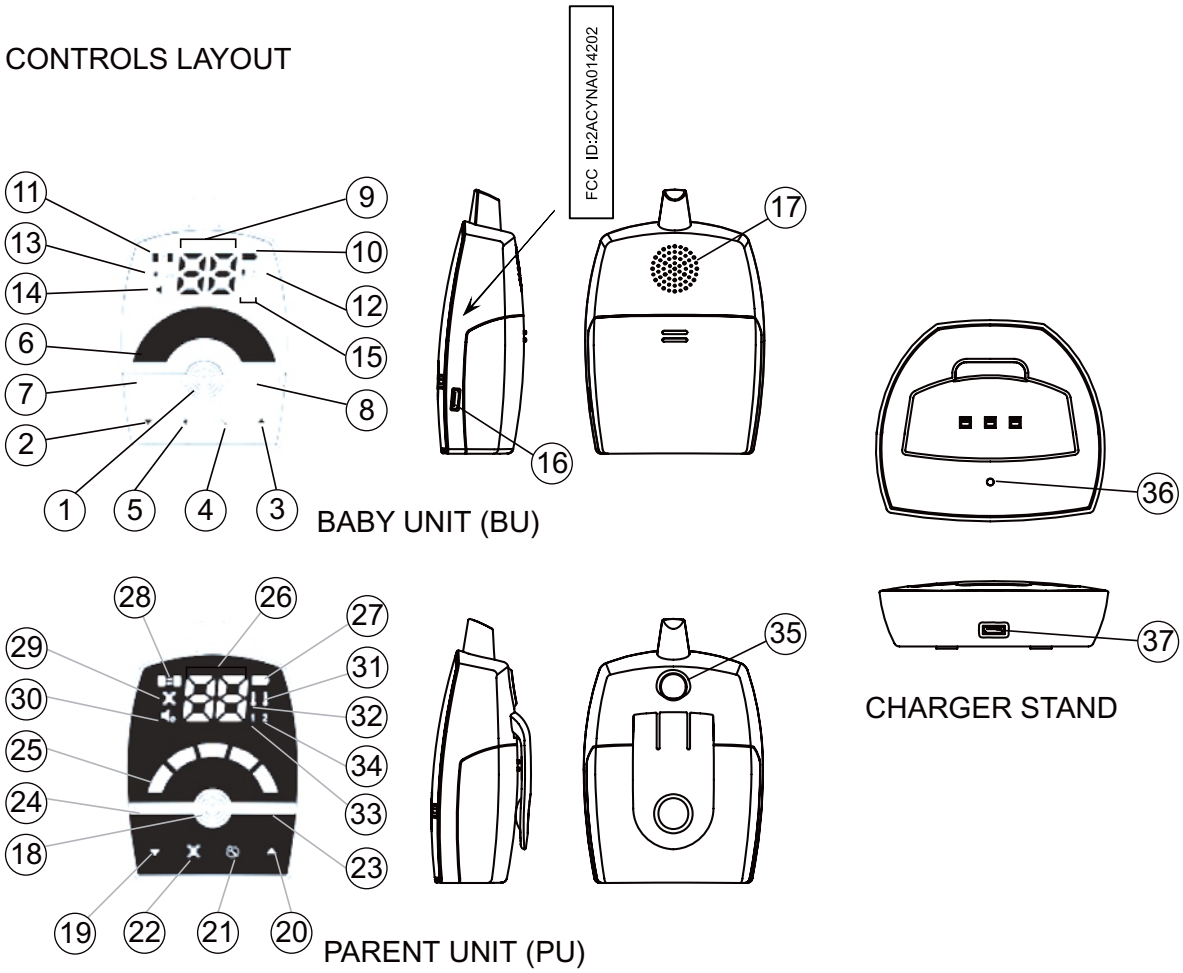
7.Longpress ⏻ button (1) and (18) toswitchoffallBUandPUandthenswitchthem on again, the baby monitor is now ready for operation.

8.IncaseBUandPUcannotcommunicatewitheachother,repeatpairingprocess again.

N.B. IforiginallythereisonlyoneBUworkingwithPU,afterpurchasingthenew extraBUatlaterstage,itisnecessarytoperformpairingprocessagainwithallthe three units together.



CONTROLS LAYOUT

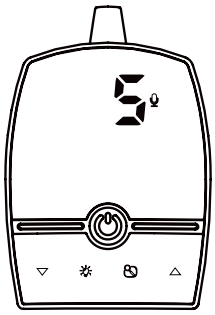


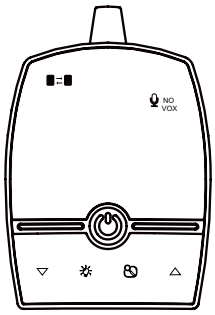
1. Power ON/OFF button
2. Down touch key
3. Up touch key
4. Menu touch key
5. Night light touch key
6. Night light
7. Microphone
8. Temperature sensor
9. Room temperature indicator
10. Power on/battery low icon
11. Transmit icon
12. Microphone continuous on icon
13. Night light status icon
14. Speaker mute icon
15. BU number icon
16. USB power port
17. Speaker
18. Power ON/OFF button
19. Down touch key
20. Up touch key
21. Menu touch key
22. Vibrator touch key
23. Microphone
24. Speaker
25. Visual level meter
26. Room temperature indicator
27. Power on/battery low icon
28. Out of range/transmit icon
29. Vibration icon
30. Speaker mute icon
31. Temperature high limit icon
32. Temperature low limit icon
33. BU number 1 icon
34. BU number 2 icon
35. Talk button
36. Charging indicator
37. USB power port

OPERATION

Baby unit

1. Long press the power ON/OFF button (1) for 3 sec to switch on the unit. The power on icon (10) as well as the assigned baby unit no. (15) should light up steady green while the room temperature indicator (9) starts showing the baby's room temperature. To turn off, long press the button (1) again.
2. Place the unit about 1 m from the crib with the microphone (7) facing towards the baby.
3. Short press the power ON/OFF button (1) to light up the touch key icons (▽ ☼ ⊘ △). Touch and hold the menu icon (4) for over 2 sec to enter programming mode, the microphone icon (12) will light up.





BU is set to continuous transmission mode

Adjust the microphone sensitivity by touching the up/down icon ▲▼ (2) and (3) such that the unit will be set to transmit whenever the microphone (7) picks up a sound at your desirable loudness level. The temperature indicator (9) will change during adjustment. The higher the number, the more sensitive is the microphone (7) to sound. There are total 5 levels of microphone sensitivity. When the maximum level is reached, further touch of the up icon ▲ (3) will set the unit into continuous transmission mode (i.e. the unit will transmit even without detecting a sound) and the NO VOX icon (12) as well as transmission icon (11) will light up steady green. Short press the power ON/OFF button (1) to confirm your selection and exit from menu. Short touch of menu icon (4) will show the setting of microphone sensitivity under standby mode.

4. Once the unit is in transmit mode, the transmit icon (11) will light up green. The unit will return to standby mode a few seconds after the microphone (7) stops picking up any sound and the transmit icon (11) will go off. Except when the unit is set in continuous transmission mode, the transmit icon (11) will stay steady on.
5. The night light (6) can be set permanently ON by short touch of night light icon (5). Each touch of icon (5) will increase the level of light intensity with maximum 5 levels. When the maximum level is reached, further touch of icon (5) will set the night light (6) into voice activated (VOX) mode. Under VOX mode, the VOX icon (9) will light up and night light (6) will be switched on once the microphone (7) detects a sound and automatically fade off a few seconds after the sound stops.
6. This baby monitor is equipped with talk back function so that parent can speak to baby

to comfort his/her emotion. Touch the up/down icons ▲▼ (2) and (3) to adjust the volume of speaker (17), temperature indicator (9) will change during adjustment. The higher the number, the bigger is the loudness. There are total 5 levels of loudness. When the minimum level is reached, further touch of the down icon ▼ (2) will totally mute the speaker (17) volume and the speaker mute icon will show up.

7. The condition of the battery is shown by the power on/low battery icon (10). When the battery level becomes running low, the power on/low battery icon (10) turns red. Replace with new battery or use the supplied AC adapter.
8. The temperature sensor (8) inside the unit detects the ambient temperature and its current reading is shown on the temperature indicator (9) and (26) of both BU and PU. Short press the power ON/OFF button (1) to light up the temperature indicator (9). After 20 sec, it will go off automatically. The normal operating range of sensor is -9℃ to +50℃. Temperature outside this range will be shown as - - . 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 settle to the new environment and show the correct reading.
9. The touch keys will only have function when the icons (▽ ☼ ⊘ △) are lighted up. These icons will go off automatically in case no key is being touched for 5 sec to avoid mishandling during daily usage.

N.B. Once the icons are lighted up, BU will not enter transmit mode until the icons go off.

10. Each time the icon keys are touched, a beep tone will be heard. To eliminate this beep tone, touch and hold the down icon ▼ (2) for 2 sec until a second beep tone is heard. To resume the beep tone, touch and hold the up icon ▲ (3) for 2 sec until a beep tone is heard. Whenever the unit is switched off and then on again, the beep tone will resume automatically.

Parent unit

1. Long press the power ON/OFF button (18) for 3 sec to switch on the unit. The power on icon (27) should light up steady green while the temperature indicator (26) will show the baby's room temperature within 10 sec. To turn off, long press the button (18) again.
2. Setting of out of range alarm function and temperature alarm
   a. Short press the power ON/OFF button (18) to light up the touch key icons (▽ ⌘ ⊘ △). Touch and hold the menu icon (21) for over 2 sec to enter programming mode, the out of range/transmit icon will show up while the temperature indicator (26) will show on or FF flashing.

Short touch ▲▼ icons (19) or (20) to make your selection, then short press ⏻ button (18) to confirm. on means out of range alarm function is enabled while FF means this function is disabled. When set to FF , the level of radiation from BU is reduced, however, the PU will not provide an alarm when it falls outside the communication range of BU. Besides, the BU room temperature will not be shown on PU under standby mode.
In case the unit is paired with two BU, perform setting also for BU no. 2. It is possible the settings can be different for the two BU.

Upper temperature Limit is set at 28℃

b. Short touch ▲▼ icons (19) or (20), set the upper temperature limit above which the unit will provide an alarm. Each touch of the icon will cause the reading to advance or retreat one step. Touch and hold the ▲▼ icon (19) or (20) will cause the reading to scroll up or down rapidly. The allowed selectable temperature range is - 3℃ to + 50℃. In case FF is selected, no upper temperature limit is set. Confirm your setting by short press of ⏻ button (18).

No lower temperature limit is set

c. Short touch ▲▼ icons (19) or (20), set the lower temperature limit below which the unit will provide an alarm. The allowed selectable temperature range is -9℃ to +44℃ or 2 ℃ lower than the selected upper limit. In case FF is selected, no lower temperature limit is set. Confirm your setting by short press of ⏻ button (18) and exit from menu.

d. Please note the setting of upper and lower temperature limits are same for both BU.

e. Under standby mode, short touch of menu icon (21) will show the setting of out of range alarm function and temperature alarm.

3. Place this unit at a reasonable distance away from the baby unit to avoid feedback. Too close a distance will create a screeching sound at the speaker (24).

4. Once it receives a signal from the BU, the visual level meter (25) will light up. The number of segments being lighted up vary along with the sound. This feature is useful in case the parents prefer to turn down the speaker volume to keep the environment quiet. Depending the signal is coming from which BU, the corresponding baby unit no. icon 1 (33) or 2 (34) will be lighted up.

PU is receiving signal from BU no. 1

PU is receiving signal from BU no. 2

5. Short press the power ON/OFF button ⏻ (18) to light up the touch key icons (▽ ⌘ ⊘ △). Short touch the up/down icons ▲▼ (19) or (20) to adjust the volume of speaker (24), the segments of visual level meter (25) as well as the temperature indicator (26) will change during adjustment. The more segments lighted up and higher the number, the bigger is the loudness. There are total 5 levels of loudness. When the minimum level is reached, further touch of the down icon ▼ (19) will totally mute the speaker (24) volume and the speaker mute icon 🔇 will show up.

6. This unit is equipped with a vibration alert. Short touch the vibration icon ⌘ (22) and the icon ⌘ (29) will show up. Once the received baby's voice is loud enough, the vibrator starts to function. This feature is useful when the parent is working under noisy environment (e.g. vacuum cleaning). To save battery power, it is recommended not to use the vibration alert frequently. To switch off vibration, short touch the vibration icon ⌘ (22) again and the ⌘ icon (29) goes off.

7. If the unit is paired to work with two BU, BU no.1 always has priority. This means while the unit is listening to signal from BU no. 2, in case BU no. 1 starts transmitting, the unit will immediately switch listening to BU no.1 until it stops to transmit, then the unit will switch back listen to BU no. 2.
8. To avoid parent missing attendance to BU no.2, while the unit is listening to signal from BU no.1, in case BU no.2 starts to transmit, the baby unit no. icon 2 (34) will go flashing to alert the parent. If parent prefers to listen to BU no. 2, he can short press the power ON/OFF button ⏻ (18) and the unit switches listening to BU no. 2. The baby unit no. icon 2 (34) will become lighted up steady while baby unit no. icon 1 (33) will go flashing (if baby 1 continues to cry). Further short press of button (18) will switch back to listen to BU no. 1 again. Under such arrangement, the parent is able to monitor both babies.
9. Under standby mode, if there are two BU, the unit will alternately scan each BU for 15 sec with the BU no. icons (33) and (34) alternately show up. When either one of the BU starts to transmit, the unit will immediately listen to that BU until the signal goes off (or switch listening to signal from BU with higher priority). Short press the power ON/OFF button ⏻ (18) to light up the temperature indicator (26). After 20 sec, it will go off automatically
10. When the out of range alert function is set to , once this unit is beyond the communication range of BU for over 30 sec, an out of range alarm will be heard together with segments of the visual level meter (25) and out of range/transmit icon (29) flashing to alert the parents. (The alarm sound is independent of whether the speaker is muted or not). Besides, the temperature indicator (26) will show - - in case it is lighted up. This alarm will go off only when the PU falls back within the communication range of BU. In case there are two BU, the out of range alarm will be provided when the PU is showing the status of that BU which is beyond the communication range.

BU no. 2 is out of range

N.B. This alarm will also be heard in case the BU is switched off, or its battery has run down, or its power is cut off, or the pairing is not properly done between the BU and PU.

11. Whenever the baby's room temperature falls outside the range as preset by the upper and lower temperature limits, an alarm will be heard. Depending on whether the upper or lower limit is exceeded, the corresponding icon (31) or (32) will light up and the current temperature reading start flashing in PU.

Higher temperature limit is exceeded for BU no. 2

12. It is possible for parent talking back to baby to soothe his emotion. Press and hold the button (35), the out of range/transmit icon (28) will show up. Speak towards the microphone (23). Release button (35) after finish speaking. It is worth noted that the parent can talk back anytime they prefer, even when the BU is transmitting. Please note the PU is talking back to the BU which number is shown on PU at the time the button (35) is pressed.

N.B. Whenever the button (35) is pressed, all the lighted icons (▽ ⌘ ⊘ △) will go off and no setting is allowed.

13. The condition of the Li battery pack is shown by the power on/low battery icon (27). When battery level becomes running low, the icon (27) turns red and an alarm will be heard, reminding the parents to charge up the battery using the supplied charger stand.
14. All the alarms (out of range alarm, high/low temperature alarm, low battery alarm) can be temporarily muted by short press of power ON/OFF ⏻ button (18). However, the corresponding icons will still remain until the condition is rectified.
15. The touch keys will only have function when the icons (▽ ⌘ ⊘ △) are lighted up. These icons will go off automatically in case no key is being touched for 5 sec to avoid mishandling during daily usage
16. Each time the icon keys are touched, a beep tone will be heard. To eliminate this beep tone, touch and hold the down icon ▼ (19) for 2 sec until a second beep tone is heard. To resume the beep tone, touch and hold the up icon ▲ (20) for 2 sec until a beep tone is heard. Whenever the unit is switched off and then on again, the beep tone will resume automatical.

PRECAUTIONS

-Use only the supplied AC adapters, use of other adapters may cause damage to the A014201 baby monitor.

-When not using the monitor for a long period of time, remove all batteries from the PU, BU to avoid damage due to battery leakage.

-Disconnect the AC adapter from the wall outlet when the monitor is not to be operated.

-The A014201 is best performed within a temperature range of -9℃ to +50℃ .

-Do not open the cabinet, no serviceable parts inside.

-The A014201 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 unit list in the user manual.

STANDARD ACCESSORIES

a. Baby unit

b. Parent unit

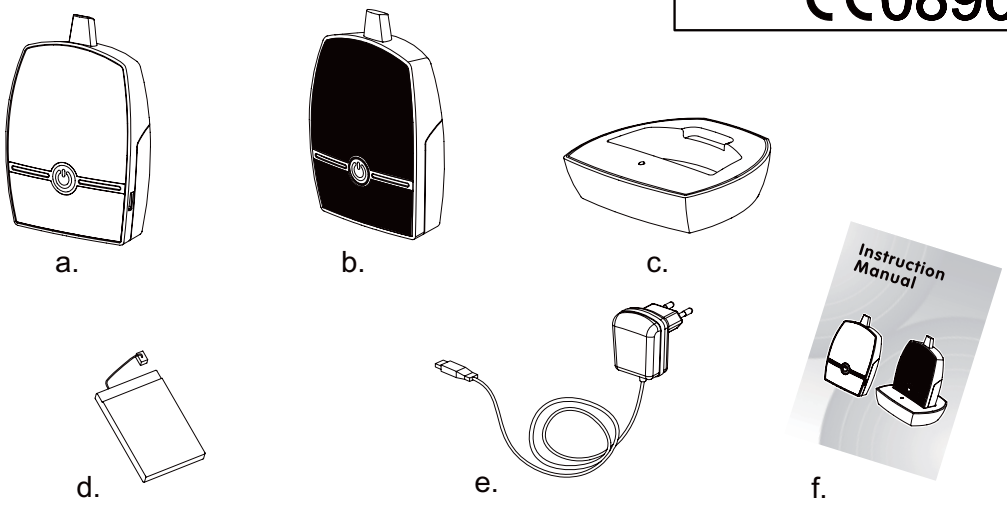
c. Charger stand for PU

d. 3.7V Li polymer rechargeable battery pack (installed in PU)

e. 6V AC adapters x 2

f. User manual

Manufacturer:BABYMOOV ALT PARTNERS
Product Name:Digital Baby Monitor
Model No:A014202
CE0890



TROUBLE SHOOTING GUIDE

Problem	Possible Causes	Solution
BU has no transmission	- BU is switched off - Mic sensitivity is too low - BU Battery has run down or AC adapter improperly connected	- Switch on BU - Adjust mic sensitivity higher - Replace with new battery or check connection
Always transmitting	- Mic sensitivity is too high - BU is set to continuous transmission mode	- Adjust mic sensitivity lower - Set the unit to become voice activated
Out-of-range alarm always on	- Pairing is not successful - BU battery has run down - Distance between BU and PU exceeds the operating range	- Perform pairing again - Replace with new battery or use AC adapter - Move the BU and PU closer together
No Out-of-range alarm	- Setting of Out-of-range function in PU is OF	- Change Setting to on
Temperature alarm always on	- The upper and lower temperature limit is set too close to the current reading	- Set the upper and lower temperature limit around 5˚C difference from current reading
Always showing low battery alert	- Battery has run down - Battery pack is damaged	- Recharge battery using charger stand (PU). Replace with new battery or use AC adapter (BU) - Replace with new battery pack
Battery life is short	- Night light is permanently switched on - Vibration alert is switched on	- Switch off night light or set to VOX operate - Switch off vibration alert
Two BU having same BU number shown on PU	- Pairing is done with both BU set with same BU number	- Perform pairing again with BU set with different BU number
Many static noise and interference	- BU is located near other electrical appliances	- Remove the electrical appliances or re-locate the BU far away from source of interference
Too short communication range	- Many steel structures between BU and PU - BU battery has run down	- Re-locate BU or PU - Replace with new battery or use AC adapter

All European Countries except Austria, Georgia, Greece, Norway, Russian,

Federation, Spain, Sweden, The Netheriands, Ukaine.

ENGLISH

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

This device complies with Part 15 of the FCC Rules/Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

WARNING! Strangulation hazard! Keep cords out of the reach of children (more than 0.9 m/2.9 feet away) due to risk of strangulation.

This device complies with Part 15 of the FCC rules.Oper ation is subject to the following two conditions:
(1) this device may not cause harmful interference,and
(2) this device must accept any interference received, including interference that may cause undesired oper ation

FCC

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-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

IC:

This device complies with Industry Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions:

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(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.