World's First Baby Sleep Monitor That
Detects & Actively Displays Your Baby's Breath Count

Your Baby Matters

iBabyGuard™

Infant Snooze Baby Sleep Monitor

User Manual

(Parent Unit)

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IMPORTANT INFORMATION – PLEASE READ FIRST BEFORE USE

The remote receiver, model IBG iSnooze 5C (Parent Unit) is sold as an optional item for the Infant Snooze. It can be used in place of the smartphone Apps.

Only either the iBabyGuard™ Infant Snooze smartphone Apps or the Parent Unit can be used for communication with the Infant Snooze at any one time, but NOT both can be used simultaneously.

Baby weight limit on the Infant Snooze for effective monitoring should fall within the range below:

2kg / 4.4lb – 10kg / 22lb

Avoid placing any cloth material between the baby and the Infant Snooze. When cloth material is placed on the mat, thickness of the material should be less than 3mm. Recommended materials are cotton bed sheet, cotton bath towel or swaddling cloth. Other unknown materials may compromise the sensitivity.

Warning and disclaimer

- The **iBabyGuard™ Infant Snooze** is NOT a medical device or a diagnostic device to prevent Sudden Infant Death Syndrome (SIDS) or 'cot death'. Babies with a known predisposition to any breathing abnormality including apnea, obstructive sleep apnea should be monitored by a doctor. Please seek advice from doctors or health care professional for medical diagnosis or when unsure of any symptoms.
- **iBabyGuard™ Infant Snooze** is NOT a substitute for proper adult supervision. It is important that an adult stays within range of the monitor at all times during use.

This Infant Snooze is constructed with highly sensitive fiber optics technology. To ensure accuracy and durability, please observe the following care and maintenance instructions.

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Care and maintenance of the mat

NO JUMPING/STAMPING/SITTING

NO SHARP HITS

NO HEAVY WEIGHT BEYOND LIMIT

NO BENDING

NO HOLDING OF THE EDGE IN ONE HAND

NO IMMERSING IN WATER

- It is advisable to use the Infant Snooze for sleeping purpose and should not be used as a play mat**.**
- Avoid major movement activity around the Infant Snooze as it is highly sensitive and may pick up the movement signal as part of the movement signal of the baby. Patting action, high vibration or motor-running activities will affect the accuracy of the breath movement count.
- **DO NOT** add thick and heavy items such as mattress between your baby and the Infant Snooze.
- Any form of spillage or stain should be wiped off immediately with water on a damp cloth to prevent permanent stain on the Infant Snooze. Avoid using strong detergent. Gentle wipe is sufficient to clean up stains. Excessive scrubbing action may damage the water-resistance property of the Infant Snooze.
- Observe polarity of the battery placement for proper functioning of the Infant Snooze.
- **DO NOT** disassemble, crush, short-circuit or incinerate the battery as it may cause fire, injury, burns or other hazards.
- **DO NOT** put the Parent Unit near wireless devices or a microwave oven. Such devices can disrupt the transmission of the alarm signal.
- The operating temperature range for the **iBabyGuard™ Infant Snooze** is from 10^0C - 40^0C. **DO NOT** operate beyond this range as it may not function according to defined specifications.

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Disposal instructions

Do not dispose of the Parent Unit with unsorted waste. Improper disposal may be harmful to the environment and human health. Please refer to your local waste authority for information on return and collection systems in your area.

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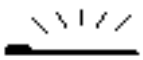
Parent Unit Status Indication Summary Sheet

Status indication	Event	Remarks
	Calibration in progress	The display will indicate an hour glass rotating in a circular motion
	Sleeping	The display will be as shown when baby is sleeping soundly.
	Movement / Wake up alert	The display will be shown whenever the baby moves. After the baby falls asleep, wake up alert is activated after a baby's sounds or cries with continuous movement is detected from the mat
	Absence from Infant Snooze alert	The display will be as shown and alarm will be activated whenever the baby is out of the Infant Snooze
	No breath movement detected	The display will be as shown and alarm will be activated when no breath movement is detected
	Error 1: Fiber sensor is broken	Please contact your service centre
	Error 8: High pressure exerted / Weight limit exceeded	High pressure, such as heavy weight on the Infant Snooze or the baby sitting up. The alarm will also be activated.
	Error 9: Device Malfunction means any other number than 1 and 8	Please contact your service centre

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1. GETTING STARTED

Before you can use the mat, you need the following (not included in the product):

- 2 X AAA dry cell battery for the Parent Unit

For best performance, Lithium dry cell battery is recommended.

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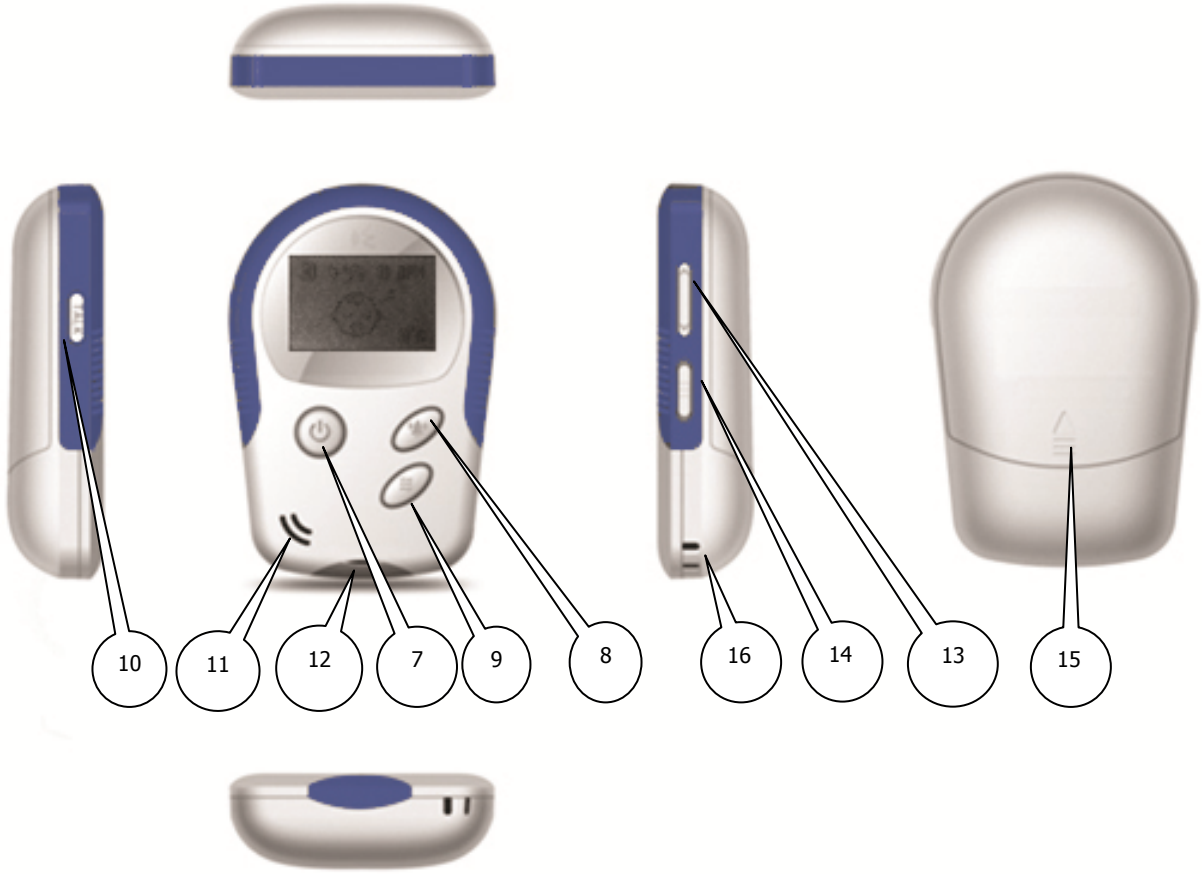
1.1 Parts description for the Parent Unit (Model IBG iSnooze 5C)



1	⏻	Turn the parent unit ON or OFF Reset alarm (Press and hold the button)
2	ALARM ENABLE button	Turn alarm enable function ON or OFF Reset alarm (Press and hold the button)
3	SENSITIVITY button	To set Infant Snooze sensitivity level Reset alarm (Press and hold the button)
4	TALK button	Press to talk to your baby remotely
5	Speaker	Listen to sound from your baby
6	Microphone	To talk to your baby when press & hold on the TALK button
7	Volume	To adjust volume for the Parent Unit

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8	Alarm select switch	To select the alarm type
9	Battery Compartment	Uses 2 x AAA dry cell batteries (Batteries not included)
10	Lanyard hole	To insert a lanyard (Lanyard not included with the product)

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2. SETTING UP THE INFANT SNOOZE WITH PARENT UNIT

2.1 Powering up the **Parent Unit**

Insertion of battery to the Parent Unit

Open the battery compartment by sliding the cover upwards as shown by the arrow label.
Insert the 2 AAA batteries.

Insertion of battery to the **Infant Snooze**

Flip the Infant Snooze over to the bottom side.
Insert the 4 AA batteries inside the battery compartment. Cover back the battery cover as shown by the arrow.

Power on the **Infant Snooze**

Place the Infant Snooze on the cot, mattress or any flat surface.

Put your baby on the Infant Snooze.

Press the power button at the tip of Infant Snooze frame as shown. The LED indicator on the top of the Infant Snooze will light up.

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Power on Parent Unit

Press and hold the power button till the LCD display is lighted up.

The **Parent Unit** will establish connection with the Infant Snooze automatically. Once connection is established, the current baby status will be displayed.

The display will indicate baby sleeping after the baby had settled down to sleep. Please refer to section 9 for details.

When an auto-calibration process is in progress, the display will indicate an hour glass rotating in a circular motion.

WARNING:
The Infant Snooze will establish communication with only 1 device at one time.
Please ensure the Smart Phone Apps is turned off when the Parent Unit is in use and vice versa.

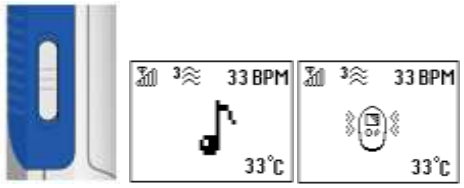
2.2 Setting up the Parent Unit

Alarm type

There are 2 alarm types to select for activation of alarm for the designated baby states which require attention.

Select the switch on the right hand side of the Parent Unit in accordance to your preferred alarm type.

- Sound (top position)
- Vibrate (bottom position)



The corresponding vibrate or sound alarm icons for the selected alarm type will pop up on the LCD display accordingly when pushing the switch.

HINT:
Consider switching to vibration mode when parents / caregivers do not want to disturb others around them with the sound alarm.

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Volume

There is a 3-step interval bar for adjusting the speaker volume on the Parent Unit .

On the top right hand side of the Parent Unit , press on the up arrow button to increase volume or down arrow to decrease volume.

To test the volume, power off the Infant Snooze to trigger 'Link loss' alarm. Adjust volume then power on the Infant Snooze again to regain connection.

The volume indication bars will pop up on the LCD display when adjusting the volume.

Alert enable

The alert enable function is a single toggle control function which activates BOTH the baby wake up and absence detection (refer to section 10.3 and 10.4 for more details) at any one time. The alert is disabled by default.

To enable baby wake up and absence detection alerts,

- Press the alert enable button once

Pressing it again will disable the alert again.

An alert icon will be indicated on the top of the LCD as shown (highlighted in red) when alarm is enabled.

WARNING:
It is advisable NOT to disable alarm when your baby is unwell or need extra attention.

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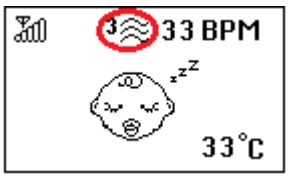
Infant Snooze sensitivity

There are 3 sensitivity levels to select.

Press the sensitivity set button to toggle to the preferred sensitivity level. The sensitivity level selected is indicated on the top of the status screen as shown (highlighted in red).

- 3 (High, Default)
- 2 (Mid)
- 1 (Low)



As your baby grows, there may be a need to tune the sensitivity to maintain high accuracy sensing.

HINT:
When baby is moving extensively and the display does NOT show strong movement, set higher sensitivity. Set lower sensitivity when baby is sleeping soundly and the display shows strong movement.

3. KEY FEATURES OF PARENT UNIT

3.1 Audio Monitor

Sound activity from your baby can be transmitted to the Parent Unit

You can hear your baby activity sound via the speaker outlet as shown.

3.2 Speaking to your baby

Parents / caregivers can communicate to your baby at any time via the Parent Unit .

To talk to your baby,

- Press & hold the TALK button while speaking via the microphone on the bottom front of the Parent Unit .
- The talk icon will pop up as shown when TALK button is pressed.
- Release TALK button when not speaking.

WARNING:
Sound activity from your baby is not transmitted when the TALK button is pressed.

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4. BABY ACTIVITY STATUS INDICATION ON PARENT UNIT

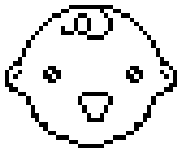
4.1 Sleeping

The display will be as shown when your baby is sound asleep.

The baby breath movement count per minute (BPM) is indicated on the top right-hand corner.

4.2 Baby movement

The display will be as shown when your baby is moving.



4.3 Baby absence

The display will be as shown when your baby is not on the Infant Snooze

5. ALARM CONDITIONS FOR THE PARENT UNIT

The baby activity states which may require attention of parents / caregivers are coupled with alarms. Alarms for some states can be disabled by parents / caregivers. The mandatory alarm is not user-selectable.

5.1 Clearing of alarms

Alarm can be cleared by pressing any of the 3 buttons on the front side of the Parent Unit .

WARNING:
The default function for each of the 3 button is disabled during alarm condition and used only to clear alarm.

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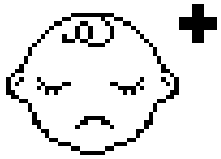
5.2 No breath movement

No breath movement alarm is a **mandatory alarm** meant to inform parents / caregivers when no breath movement is detected from the baby.

Alarm will be activated after 15 seconds of no breath movement detected.

The activity status for your baby will be indicated as shown.

Audio alarm will also be activated on the mat with the red LED blinking.



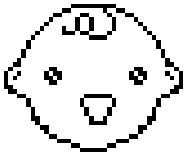
WARNING:
During no breath movement alarm activation, Parent Unit alarm volume is fixed at maximum, Infant Snooze volume is fixed at maximum & Alarm type is fixed at both sound and vibration

5.3 Wake up alert

The wake up alert is meant to inform parents / caregivers when the baby has woken up and is crying or agitated. It will be activated only after the baby is asleep for more than 5 minutes.

The alarm will be activated when both baby's contant movement period of 20 seconds and sound are detected.

The display will be as shown.



HINT:
Only place the baby on the Infant Snooze during baby nap/sleep time.
This alert can be enabled or disabled with the alert enable button

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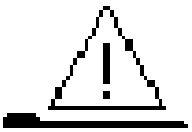
5.4 Baby absence alert

The baby absence alert is meant to inform parents / caregivers when the baby has rolled off or carried out of Infant Snooze or is not on the Infant Snooze

The alert will be activated and the display will be as shown.

HINT:
This alert can be enabled or disabled with the alert enable button

WARNING:
There may be exceptional unknown situations eg.
1)where babies toss or rotate such that only part of their body lies on the Infant Snooze,
2) parent's hands or elbows may press / hit on the Infant Snooze or on the cot/mattress where the Infant Snooze is placed when carrying up the baby
- rendering the current state of the baby to be non-deterministic. As a precaution for the unknown states, the display will be indicated as shown, to alert parents/caregivers to check on the baby. Please attend to your baby.



6. OTHER STATUS INDICATIONS ON THE PARENT UNIT

6.1 Out of range / Link loss

The range between the **Parent Unit** and Infant Snooze is up to 30m line of sight. Indoor limits may be reduced, subject to the layout of the building concrete structure.

When communication between the **Parent Unit** and Infant Snooze is lost, link loss icon as shown will blink on the display and alarm will be activated.

To maintain connection,

- Walk closer towards the Infant Snooze with the **Parent Unit**

The connection period is a 5 minutes window, after which the **Parent Unit** will power off.

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If the link is still not established after 5 minutes,

- Press the power button once on the Infant Snooze.
- Power on the **Parent Unit**

WARNING:
Alarm will be also activated on the **Parent Unit** when the Infant Snooze is switched off.

6.2 Manual pairing of Infant Snooze and Parent Unit

To manually pair the Infant Snooze with another new **Parent Unit** outside the 5 minute connection window,

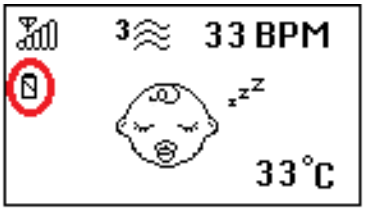
- Power off the original **Parent Unit**
- Turn off & on the Infant Snooze again.
- Power on and hold the POWER button for 5 seconds on the new **Parent Unit.**

The display will be indicated as shown when pairing is successful.

6.3 Low battery indication for Parent Unit

The low battery indication for the **Parent Unit** will be displayed as shown (highlighted in red) and blink simultaneously when the battery for the **Parent Unit** is low.

Replace battery for the **Parent Unit**.



6.4 Low battery indication for Infant Snooze

The low battery indication for the Infant Snooze will be displayed as shown (highlighted in red) and blink simultaneously when the battery for the Infant Snooze is low.

In the case of no connection of the Infant Snooze with the smart phone, the Infant Snooze red LED will blink.

Replace battery for the mat.

TIPS:
To conserve battery power, switch off the Infant Snooze after use every day.

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6.5 Error 1: Fiber sensor is broken

The display will be as shown blinking when the fiber sensor is broken.

Please contact your service center.

6.6 Error 8: Weight limit indication for the Infant Snooze

The display will be as shown blinking to indicate high pressure, such as heavy weight on the Infant Snooze or the baby sitting up. The alarm will also be activated.

Note: If the indication remains when the baby is in sleeping position, the baby weight had exceeded the defined weight limit of the Infant Snooze.

6.7 Error 9: Device malfunction

The product may have malfunctioned. The display will be blinking as shown with an error number.

Please contact your service center.

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7. TROUBLESHOOTING AND FAQ

Problem	Possible cause	Remedy
False alarm	• The baby may have excessive movement when the parent /caregiver is playing next to the baby or attending to the baby's need (changing diapers, feeding, patting) • External event such as patting action, high vibration or motor-running activities near the Infant Snooze	• Switch off the Parent Unit when the parent/ caregiver is attending to the baby. Switch it on again to continue monitoring when baby is asleep.
No alarm tone	• Battery may be low	• Check battery level and replace batteries if needed.
No movement detected	• The sensitivity level may be low.	• Adjust up the sensitivity level with the SELECT button
Baby movement status indicated on the Parent Unit when baby is sound asleep	• Baby may have strong movement patterns	• Adjust down the sensitivity level with the SENSITIVITY button
Out of range indication	• The Infant Snooze and Parent Unit are too far apart. • The Infant Snooze or Parent Unit may be placed near large metal objects. • The link between the Infant Snooze or Parent Unit may be lost • Battery is not inserted on the Infant Snooze.	• Try to adjust the relative distance nearer between the Infant Snooze and Parent Unit . • Ensure battery is inserted on the Infant Snooze side. • Power off and on again for both the Infant Snooze and Parent Unit to try establishing the link. • Enable manual pairing (refer to Section 6: Other status indication) • Ensure battery is inserted on the Infant Snooze.

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Error codes (indicated on Parent Unit)	**Possible cause**	**Remedy**
E1	• The fiber sensor is broken	• Infant Snooze is no longer functioning. Please contact your service center.
E8	• High pressure, such as heavy weight on the Infant Snooze or the baby sitting up.	• If the indication remains when the baby is in sleeping position, the baby weight had exceeded the defined weight limit of the Infant Snooze.
E9	• Device Malfunction	• Please contact your service center

8. MAINTENANCE

DO NOT drop the Parent Unit on the floor as it may damage internal components and cause malfunction.

Keep the Parent Unit away from moisture.

Remove batteries from the Parent Unit when not in use for a long period of time.

9. TECHNICAL SUPPORT

Before you contact the Technical support, please read the Troubleshooting and FAQ section.

If you have questions about the use or features of the product please contact your local distributor/retailer.

Please include as much information possible from the packaging material. This will help us in speeding the process.

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10. LIMITED WARRANTY

Your iBabyGuard™ Parent Unit is covered warranty for malfunction in the electronic parts only, for a period of 12 months from the date of the original purchase, when used in accordance with the usage condition provided with the unit. Malfunction due to misuse, not in accordance with the usage condition, will not be covered in the warranty.

We will, at our discretion, repair or replace the product should it fails to function properly when used as directed within the warranty period.

This warranty does not cover the battery, damaged as a result of accidents, improper maintenance or any other form of misuse. The warranty is also void if the owner attempts to fold the Infant Snooze when instructed not to as stated in the user manual, repairs or modifies the product in any way. We are not liable for any incidental or consequential damages with regard to this product. The warranty also excludes any liability other than what is stated above.

This device complies with the essential requirements of the EMC Directive 2004/108/EC, R&TTE Directive 1999/5/EC and LVD Directive 2006/95/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the EMC Directive 2004/108/EC, R&TTE Directive 1999/5/EC and LVD Directive 2006/95/EC:
- EN 60950
- EN50371
- EN 301489-1
- EN 301 489-17
- EN 300328

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

This 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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:
This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, please follow operation instruction as documented in this manual.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For any technical assistance contact the technical support center online : support@ibabyguard.com.

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