

# Sense-U® Smart Baby Monitor Pro

## User Manual



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## 1 READ ME FIRST

### ⚠ WARNING

- The Sense-U Smart Baby Monitor is not a medical device and is not intended for use in the diagnosis, cure, mitigation, treatment, or prevention of disease.
- This product is intended for use with healthy children up to 18 months of age. If your child has a pre-existing medical condition, consult your doctor before use.
- This product is an aid and should not be substituted for the care and oversight of an adult or consultation with medical professionals.
- Do not use this product as a diagnostic tool.
- Do not use this product to justify unsafe sleep habits.
- Keep the baby device out of children's mouths.
- For babies with sensitive skin, remove the device immediately if redness, swelling, or skin irritation occurs.
- Children can be strangled by cords. Keep cords out of reach (more than 1m / 3ft away). Never use extension cords with AC adapters; Only use the DC 5V 1A adapter; Fast-charging adapters are not supported.

### REMEMBER

- Bluetooth needs to turn on to connect. Note: For Android 10 & 11 Devices, please make sure Location is enabled all the time for the Sense-U Baby App in Settings-> Connections-> Location, and Settings-> Apps-> Sense-U Baby-> Permissions. Or else it can not pair to the Device and stay connected.
- To receive important notifications, such as sounds, on your smart device, you need to turn on the notifications for the Sense-U Baby app in Settings -> Notifications -> Sense-U Baby and allow Critical Alerts. For Android devices, make sure the media volume is turned on in Settings -> Sound & Vibration -> Volume.
- Movement from external sources such as being pushed in a bassinet or traveling in a vehicle may be detected by Sense-U Smart Baby Monitor. The Sense-U Smart Baby Monitor should not be relied upon where external sources of movement are present.
- The monitored child must sleep in their own separate bed as the Baby Device may detect the movement of any other person sharing the bed with the child, and will not send any notification as long as it detects movement.
- The Base Station needs to work with a 2.4GHz private Wi-Fi network. Hotspot Wi-Fi and 5GHz are not supported.
- One Sense-U Smart Baby Monitor can only connect to one smart device at any one time. To support multiple Devices, an optional Sense-U Base Station is needed.

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## 2 INTRODUCTION

### 2.1 Intended Use

#### Baby Device

The Sense-U Smart Baby Monitor Device easily clips onto your baby's diaper or pants to monitor their abdominal movement, sleeping position, and feeling temperature around the abdomen. After 15 seconds of no abdominal movement, it gently vibrates in an attempt to wake up your baby. If no movement is detected after this, it will sound audible alarms and send mobile notifications to parents based on these indicators, making it easier for parents to check on their babies in time.

#### Sense-U Baby App

The Sense-U Baby App is a mobile application for use with the Baby Device that reads a baby's real-time data, including sleep quality indicators such as abdominal movement, sleeping position, and feeling temperature around the abdomen. It also sends notifications to parents based on these indicators to ensure that they recognize abnormalities in time to help their child sleep soundly.

#### Base Station (For Long Range Version)

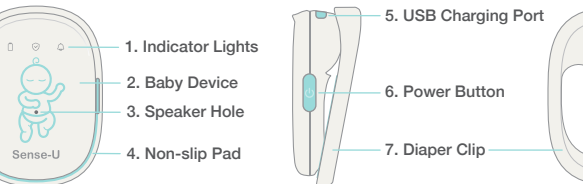
The Base Station is intended to maintain the Baby Device's connectivity at all times and deliver local notifications, including no abdominal movement for 15 seconds, sleeping on the stomach, and detecting temperatures around the belly area outside the preset range. These notifications are provided via light and sound alerts directly from the Base Station, along with mobile notifications from the smartphone app, aiming to promote restful sleep for the child.

The Base Station communicates with the Sense-U Cloud via 2.4GHz Wi-Fi private network. This connection allows the sleep data to be displayed in the app, facilitating real-time readings and notifications on the app from any location.

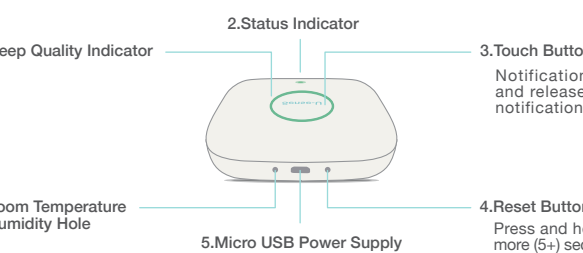
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## 2.2 Parts Identification

### Baby Device



### Base Station (For Long Range Version)



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## 3 HOW TO USE

### 3.1 Download the App

- Download the free Sense-U Baby App, available for iOS and Android from Apple App Store and Google Play.



- Allow all requested permissions for the Sense-U App, e.g Location, Bluetooth, Critical Alert, No Optimization of Battery Usage, etc.



- Create a free Sense-U account.

\* Bluetooth of your smart Device needs to turn on to connect. For Android Devices, please make sure Location is enabled for the Sense-U App ALL THE TIME in Settings-> Connections->Location and Settings->Apps ->Sense-U Baby-> Permissions. Or else it cannot pair to the Device and stay connected.

\* To pair to another smart device, you need to log out the Sense-U App on the paired smart device first.

\* The communication distance is up to 50ft (15m) in open space. Firewall or obstacles in between may affect the distance dramatically.

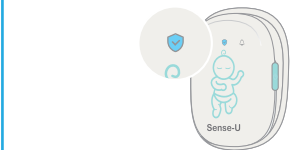
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## 3.2 Pair the Sense-U Device

Follow the in-app instructions to pair the Sense-U Device accordingly.

### Baby Pro

Long press the power button of the Baby Device to switch it on. Next, double-shake the Baby Device until it begins to flash **BLUE**, indicating that it is ready to pair.



### Baby Pro (Long Range Version)

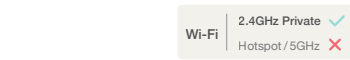
- The Base Station flashes **BLUE**, when it is awaiting for pairing.



- Long press the power button of the Baby Device to switch it on. Next, double-shake the Baby Device until it begins to flash **BLUE**, indicating that it is ready to pair.

\* A 2.4GHz Wi-Fi private wireless network is required for pairing the Base Station. Hotspots and 5GHz Wi-Fi networks are not supported.

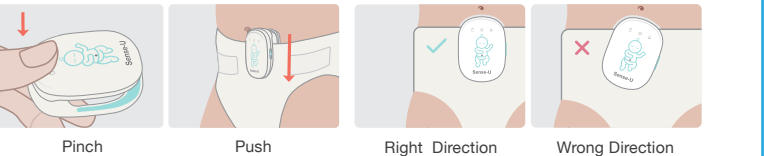
\* Keep the Baby Device next to the Base Station during pairing.



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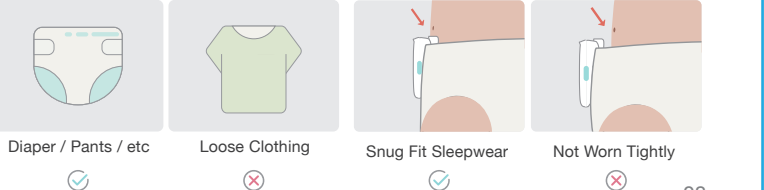
### 3.3 Fitting your Sense-U Device

To put on the Baby Device, pinch open the clip of the Device, and then push the clip accessory onto the diaper to the FULL extent of the clip. Keep the baby icon in the same direction as your child's body direction to avoid unexpected readings or notifications.



### 3.4 Clothing

Snugly fitting sleepwear (diaper/pants/etc) is essential for accurate monitoring. Loose fitting sleepwear may cause the Baby Device to lose contact with the child, and introduce false notifications.



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If your child sleeps on their side or on stomach, the Baby Device should be placed off-center of the navel and the mattress.










### 3.5 Indicator Lights

Baby Device

			Green (flashing)	Charging
			Green (solid)	Fully charged
			Red (flashing)	Low battery
			Red (solid)	Abnormal charging detected
			Green (flashing)	Your baby is okay
			Blue (flashing)	Waiting for pairing
			Blue (solid)	Firmware updating
			Red (fast flashing)	No abdominal movement
			Blue (flashing)	Stomach sleeping detected
			Red (slow flashing)	Abnormal temperature detected

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### Base Station (For Long Range Version)

Device Status Indicators				
	Pairing & Connection	 Blue (flashing)	Base Station waiting for pairing	
		 Green (flashing)	Baby Device waiting for pairing	
		 Red (solid)	Base Station Wi-Fi disconnected	
		 Yellow (solid)	Baby Device Bluetooth disconnected	
	Button Interaction	Short Tap		Pausing an ongoing notification
	Firmware Update	 Blue (solid)	Base Station firmware updating	
		 Green (solid)	Baby Device firmware updating	

Sleep Quality Indicators			
Flashing Green	Flashing Red	Flashing Blue	Flashing Yellow
Normal readings	No abdominal movement detected	Stomach sleeping detected	Abnormal temperature detected

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### 4 POWER AND CHARGING

The Sense-U Baby Monitor Pro uses Type-C charging:

1. Open the silicone plug covering the charging port.
2. Insert the Type-C charging head into the port, plug in the power supply, and observe the battery indicator flashing GREEN.
3. Once charging is complete, the battery indicator will turn solid GREEN.



- \* Only use the DC 5V 1A adapter.
- \* Fast-charging adapters are not supported.
- \* When not in use, turn off the Baby Device by long pressing the power button to save power.

### 5 MAINTENANCE

1. The Sense-U Smart Baby Monitor Pro is splash-resistant, NOT waterproof. Do not immerse in water. If it gets wet, dry it off immediately.
2. Do not leave it in wet diaper for long time, it may cause unexpected temperature reading, or other malfunctions.
3. Gently wipe with a damp cloth to remove any dirt .

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### 6 SPECIFICATIONS

Product Name	Sense-U Smart Baby Monitor Pro
Model	SU602
Materials	ABS
Battery	Lithium-ion battery, 150 mAh
Unit Dimension	2.2" / 56mm (L) x 1.65" / 42mm (W) x 0.85" / 21.5mm (H)
Unit Weight	0.7 oz / 20 g
System Requirements	Smart devices running IOS 9.0 & up, or Andorid 6.0 & up
Range	< 50 feet / 15meters

Product Name	Sense-U Base Station (Long Range Version Only)
Model	SU-210T-BS-Only
Materials	ABS
Unit Dimension	4.13" / 105mm (L) x 4.13" / 105mm (W) x 0.9" / 23mm (H)
Unit Weight	2.1 oz / 60 g
System Requirements	Smart devices running IOS 9.0 & up, or Andorid 6.0 & up
Range	< 50 feet / 15meters; Smartphone: Unlimited

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### Guarantee

Sense-U promises a 30-day Money Back Guarantee for this product and a 1-year Limited Warranty from the original date of purchase, verified by a sales receipt. Our warranty liability shall be limited to replacing the unit free of charge and does not include transport costs. Our guarantee extends to all countries in which this product is supplied. By the act of operating this product, the user accepts all resulting liability. We reserve the right to modify the provisions of this guarantee at any time without notice. This guarantee does not cover the battery, incorrect application, tampering, misuse or transport damage.

### Disclaimer

The Sense-U Smart Baby Monitor is not a medical device and is not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease. Customers use this monitor at their own risk and Sense-U Inc., its members, employees, agents, contractors, representatives, manufacturers, distributors and associates shall not be held liable for any loss, damage or injury suffered by the customer or any other person arising from, or in connection with, the use or manufacture of the monitor, including loss, damage or injury suffered by the customer or any other person as a result of any defects in respect of the monitor, and all warranties, and any other liability from whatsoever cause arising, are hereby excluded and the customer hereby indemnifies Sense-U Inc. in respect of any such liability.

Sense-U Smart Baby Monitor Pro

FCC ID: 2BG88SU602  
MODEL: SU602

Sense-U Base Station (ESP32-S module included)

FCC ID: 2AHMR-ESP32-S  
MODEL: ESP32-S

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.

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CONTACT US

For product questions, we recommend contacting us directly via in-app Feedback from the Sense-U App->Me->Contact Us for expedited diagnosis and response. For general questions, please email us at [SUPPORT@SENSE-U.COM](mailto:SUPPORT@SENSE-U.COM).

U 24.01.00

#### 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.

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 device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

The device can be used in portable exposure condition without restriction

FCC ID: 2BG88SU602