Wellue BabyO2 S2

Wellue BabyO2 S2 Multifunction Heart Rate and Oxygen Monitor User Manual

Model: BabyO2 S2 | Brand: Wellue

1. INTRODUCTION

This user manual provides detailed instructions for the safe and effective use of the Wellue BabyO2 S2 Multifunction Heart Rate and Oxygen Monitor. Please read this manual thoroughly before operating the device and retain it for future reference. The BabyO2 S2 is designed to continuously track your baby's blood oxygen level (SpO2), heart rate, and body movement during sleep. It is intended for general wellness and health purposes and is not a medical device. It is not intended to diagnose, treat, cure, or prevent any disease or medical condition.

2. PRODUCT OVERVIEW

Image Description: The complete Wellue BabyO2 S2 system, including the main monitor unit, the base station, the sensor with soft straps, and a smartphone displaying the ViHealth application with real-time oxygen level and pulse rate data.

The Wellue BabyO2 S2 system consists of a main unit (monitor), a sensor, a base station, and a charging base. It offers continuous monitoring and real-time alerts for abnormal readings.

2.1 Package Contents

- 1 Main Unit (Monitor)
- 1 Sensor
- 1 Base Station
- 1 Charging Base
- 1 Charging Cable for Main Unit
- 1 Type-C Charging Cable
- 1 Spare Soft Strap
- 1 User Manual

- 1 Service Card
- 1 Personalized Sticker

2.2 Key Features

- **Continuous Monitoring:** Tracks blood oxygen level (SpO2), heart rate, and sleep movement.
- **Real-time Alerts:** Base station and mobile application provide alerts for abnormal SpO2 levels, heart rate, or baby movement.
- **Adjustable Thresholds:** Alarm thresholds for SpO2 and heart rate are customizable via the device, base station, or app.
- **Comfortable Design:** Soft bandages are suitable for infants aged 0-3 years, accommodating different foot sizes.
- **Easy to Use:** No complex network settings required; the device is ready for use out-of-the-box and connects automatically after startup.
- **Data Management:** Free iOS/Android application and PC/Mac software allow for unlimited export, printing, and sharing of detailed PDF/CSV reports.
- **Long Battery Life:** Main unit operates for up to 16 hours; the base station provides continuous use for up to 7 days.

2.3 Device Components

Image Description: An illustration showing the Wellue BabyO2 S2 main unit, sensor, and a smartphone displaying the app interface, with various components labeled such as OLED Screen, Volume, ON/OFF button, Heart Rate, Charging Base Station, Bluetooth, Real-time Trends, Sensor, and Soft Bands.

BabyO2 S2 Monitor
Measure SpO2 & HR day and night

Base Station
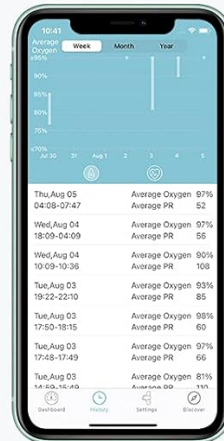View baby's vitals in real time without phone alerts for abnormal readings

Charging Base
For the base station

ViHealth App
Show you baby's real-time metrics and historical trends

Image Description: A composite image displaying the four main parts of the Wellue BabyO2 S2 system: the BabyO2 S2 Monitor (sensor and main unit), the Base Station, the Charging Base, and a smartphone screen showing the ViHealth App interface with real-time metrics and historical trends.

3. SETUP

3.1 Charging the Device

Before first use, ensure both the main unit and the base station are fully charged.

1. Connect the main unit to its charging cable and charging base.
2. Connect the base station to the Type-C charging cable.
3. Allow sufficient time for a full charge. The main unit provides up to 16 hours of operation, and the base station up to 7 days of continuous use.

3.2 Assembling the Sensor

Attach the soft strap to the sensor unit. Ensure it is securely fastened.

3.3 Initial Power On and Pairing

The device is designed for ease of use and typically pairs automatically.

1. Press the ON/OFF button on the main unit to power it on.
2. Power on the base station.
3. The main unit and base station will automatically connect.
4. For smartphone connectivity, download the "ViHealth" application from your device's app store (iOS/Android).
5. Open the app and follow the on-screen instructions to connect to the monitor via Bluetooth. No complex network settings are required.

Image Description: A sleeping baby with the Wellue BabyO2 S2 monitor attached to their foot. An illustration shows the main unit displaying "98% Blood Oxygen" and "116 Heart Rate," indicating automatic pairing upon booting without cumbersome network settings.

4. OPERATING INSTRUCTIONS

4.1 Wearing the Sensor

Proper placement of the sensor is crucial for accurate readings.

1. Place the sensor on your baby's foot, ensuring the soft strap is snug but not too tight. The sensor should be positioned correctly to detect blood flow.
2. The soft bandages are designed for comfort and adaptability for infants aged 0-3 years.

Image Description: A baby lying on their back, wearing the Wellue BabyO2 S2 sensor on their foot. An overlay indicates "Monitor SpO2 & Heart Rate," demonstrating the device in use for continuous tracking.

Image Description: A close-up image showing an adult's hand gently holding a baby's foot, with the Wellue BabyO2 S2 sensor securely attached. This highlights the comfortable and secure fit of the sensor.

4.2 Monitoring Data

Once the sensor is correctly placed and the device is powered on, monitoring begins automatically.

- **Base Station Display:** The base station provides real-time display of your baby's SpO2 and heart rate.
- **Mobile Application:** For detailed real-time metrics and historical trends, use the ViHealth app on your smartphone.

Image Description: The Wellue BabyO2 S2 main unit displaying current readings, alongside a smartphone showing the ViHealth app interface. Icons indicate monitoring of Blood Oxygen, Heart Rate, Body Movement, and alerts for Invalid Value, emphasizing comprehensive monitoring.

4.3 Alarm Settings

You can customize the alarm thresholds to suit your preferences.

- Adjust the alarm volume and threshold values for SpO2 and heart rate directly on the base station, the main unit, or through the ViHealth application settings.
- The system will alert you via the base station and the app if readings fall outside the set parameters or if significant body movement is detected.

5. APPLICATION USAGE (VIHEALTH APP)

The ViHealth app enhances the monitoring experience by providing detailed data, historical trends, and report generation.

- **Real-time Data:** View current SpO2 levels, heart rate, and perfusion index (PI) on your smartphone.
- **Historical Trends:** Access graphs and summaries of past monitoring sessions.
- **Report Generation:** Export, print, and share detailed PDF or CSV reports of your baby's data. This feature is useful for sharing information with healthcare providers.
- **Settings:** Customize alarm thresholds, volume, and other device settings directly from the app.

Image Description: A hand holding a smartphone displaying the Wellue ViHealth application. The screen shows current oxygen level (97%) and pulse rate (79), along with historical trend graphs for both metrics, illustrating the app's data visualization capabilities.

Image Description: A laptop screen displaying a detailed "Sleep Report" generated by the Wellue software. The report includes graphs and data points for oxygen levels and heart rate over time, demonstrating the comprehensive reporting feature.

6. Maintenance

6.1 Cleaning

- Wipe the main unit, base station, and sensor with a soft, dry cloth.
- For disinfection, use a cloth lightly dampened with isopropyl alcohol (70%).
- Do not immerse any part of the device in water or other liquids.
- Ensure the device is completely dry before storage or next use.

6.2 Storage

- Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep out of reach of children.

6.3 Battery Care

- Recharge the device regularly, even if not in frequent use, to maintain battery health.
- Avoid fully discharging the batteries for extended periods.

7. Troubleshooting

Problem	Possible Cause	Solution
No Reading / Inaccurate Readings	- Sensor not positioned correctly. - Sensor too loose or too tight. - Excessive baby movement. - Low battery.	- Reposition the sensor on the baby's foot, ensuring it is snug and stable. - Ensure the sensor is clean and free from obstructions. - Charge the main unit and base station.
Device Not Powering On	- Low or depleted battery. - Power button not pressed correctly.	- Connect to charger and allow to charge for at least 30 minutes before attempting to power on again. - Press and hold the power button firmly for a few seconds.

Problem	Possible Cause	Solution
App Not Connecting to Device	- Bluetooth is off on the smartphone. - Device is in hibernation mode. - Another phone is already connected.	- Ensure Bluetooth is enabled on your smartphone. - Wake the main unit from hibernation by pressing its power button. - Ensure no other smartphone is actively connected to the device. - Restart the app and the device.
Alarms Not Sounding	- Alarm volume set too low or muted. - Alarm thresholds set too wide.	- Check and adjust alarm volume settings on the base station and in the ViHealth app. - Review and adjust SpO2 and heart rate alarm thresholds in the app or on the device.

8. SPECIFICATIONS

Parameter	Value
Brand	Wellue
Model	BabyO2 S2
Main Material	Polycarbonate (PC)
Main Unit Battery Life	Up to 16 hours
Base Station Battery Life	Up to 7 days (continuous use)
Compatible Devices	Smartphone (iOS/Android), PC/Mac
Display Size (Main Unit)	3.3 inches
ASIN	B09BVFNZYF
Batteries Included	2 Lithium-polymer
Product Dimensions	19.2 x 16.2 x 8 cm; 528 grams (Package)

9. WARRANTY AND SUPPORT

The Wellue BabyO2 S2 Multifunction Heart Rate and Oxygen Monitor comes with a **one-year warranty**. For technical support, warranty claims, or any questions regarding the product, please refer to the service card included in your package or visit the official Wellue support website.

Important Note: This device is not a medical device and is not intended for medical use or to replace a medical device. Consult with a healthcare professional for any medical concerns.