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## HORIGEN HNR-US-2249BS1

# HORIGEN Wearable Breast Pump User Manual

Model: HNR-US-2249BS1

## 1. INTRODUCTION

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Thank you for choosing the HORIGEN Upgraded APP Control Wearable Breast Pump. This hands-free breast pump is designed to provide a comfortable and efficient pumping experience, allowing you to express milk anytime, anywhere. It features smart app control, multiple modes, and adjustable suction levels to suit your individual needs. Please read this manual thoroughly before first use to ensure proper operation and maintenance.



Image: The HORIGEN wearable breast pump set, including two pumps, a carrying case, and the accompanying mobile application interface.

## 2. SAFETY INFORMATION

Always adhere to the following safety precautions to prevent injury or damage to the product:

- Ensure all components are clean and dry before assembly and use.
- Do not immerse the pump motor unit in water or other liquids.
- Use only the provided charging cable and adapter.
- Keep out of reach of children.
- Inspect all parts for wear or damage before each use. Discard and replace any damaged parts.

- The product is made of BPA-free food-grade silicone, ensuring safety for both mother and baby.
- If you experience pain or discomfort during pumping, discontinue use and consult a healthcare professional.

### 3. PRODUCT COMPONENTS

The HORIZEN Wearable Breast Pump package includes the following items:



Image: A comprehensive layout of all parts included in the HORIZEN wearable breast pump package, detailing each component.

- Pump Motor (x2)
- 6oz Bottle (x2)
- Diaphragm (x2)
- Bottle Lid (x2)
- Breast Shield (x2)
- 25mm Cushion (x2)
- Valve (x2)
- 15mm Insert (x2)
- 17mm Insert (x2)
- 21mm Insert (x2)
- Converter (x2)
- Bra Adjuster (x2)
- USB Type-C Cable (x2)
- Cleaning Brush (x1)
- Nipple Size Chart (x1)
- Instructions Manual (x1)
- Storage Case (x1)

## 4. SETUP

### 4.1 Charging the Pump

Before first use, fully charge the pump motor. Connect the provided USB Type-C cable to the charging port on the pump motor and plug the other end into a compatible USB power adapter (not included). The battery indicator on the LED display will show charging progress. A full charge typically takes approximately 2 hours and provides 7-8 pumping sessions.

### 4.2 Assembly Instructions

Follow these steps to assemble your breast pump:

1. Attach the diaphragm and the silicone valve to the breast shield.
2. Push the assembled breast shield firmly into the pump motor until it seals well.
3. Assemble the pump motor and milk collector to ensure secure installation.
4. Push the flange into the Breast Shield, making sure it's aligned and assembled in place.



Image: Step-by-step visual guide for assembling the breast pump.

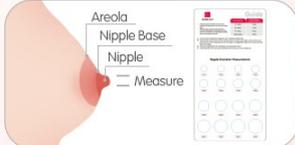
### 4.3 Flange Sizing

Selecting the correct flange size is crucial for comfort and effective milk expression. Use the included nipple size chart to determine your ideal flange insert size (15mm, 17mm, 21mm, or 25mm).

**Find the right size for you**

**1**  Stimulate nipple until it perks up

**2**  Measure the nipple size

**3**  Choose the suitable flange insert

 Too Small

 **Fit**

 Too Large

**Nipple Diameter**

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11-13mm

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13-15mm

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15-19mm

---

19mm-above

**Recommended Cushion Or Insert Size**

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15mm

---

17mm

---

21mm

---

25mm

Image: Guide on how to measure nipple size and choose the appropriate flange insert for optimal fit.

A proper fit ensures that your nipple moves freely within the tunnel without excessive friction or compression.

#### 4.4 App Installation and Pairing

Download the HORIZEN app from your smartphone's app store. Follow the in-app instructions to pair your breast pump. The app allows for remote control and tracking of your pumping sessions.

## 5. OPERATING INSTRUCTIONS

### 5.1 Powering On/Off

Press and hold the power button on the pump motor's LED display to turn the pump on or off. The display will illuminate upon activation.

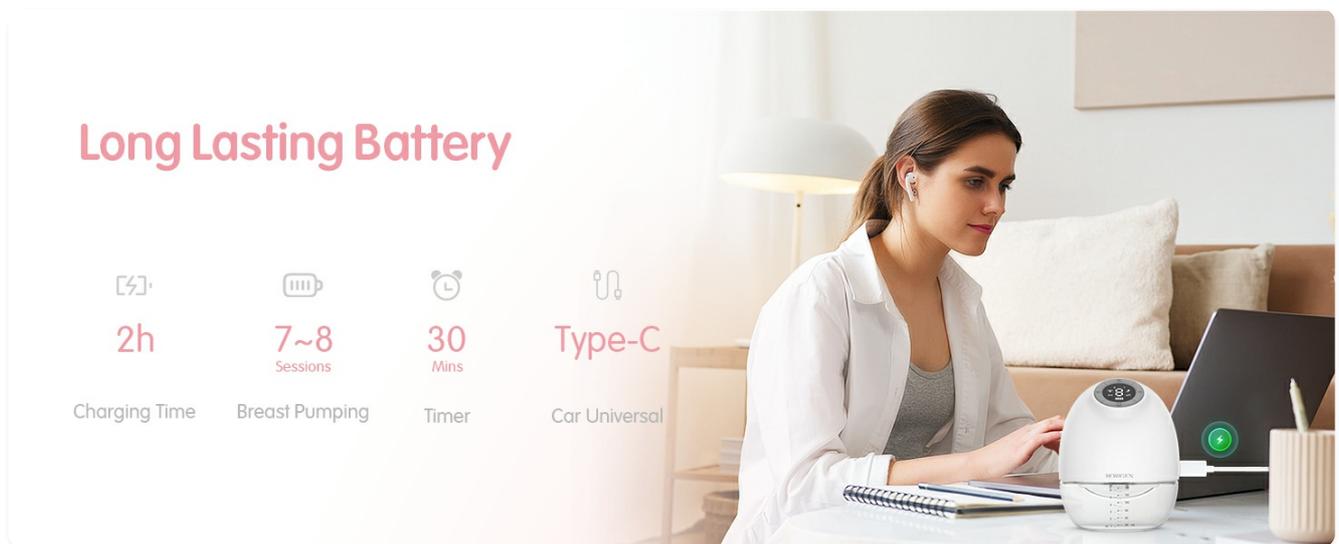


Image: Overview of the pump's LED display and control buttons.

### 5.2 Mode Selection and Suction Adjustment

The HORIZEN pump offers 3 distinct modes and 9 adjustable suction levels:

- **Stimulation Mode:** Mimics a baby's rapid suckling to stimulate milk let-down.
- **Expression Mode:** Provides slower, stronger suction for efficient milk expression.
- **Mixed Mode:** Combines stimulation and expression phases for optimized pumping.

Press the mode switch button to cycle through the modes. Use the '+' and '-' buttons to adjust the suction level within each mode. Start with a lower suction level and gradually increase to a comfortable setting.

# LED Display

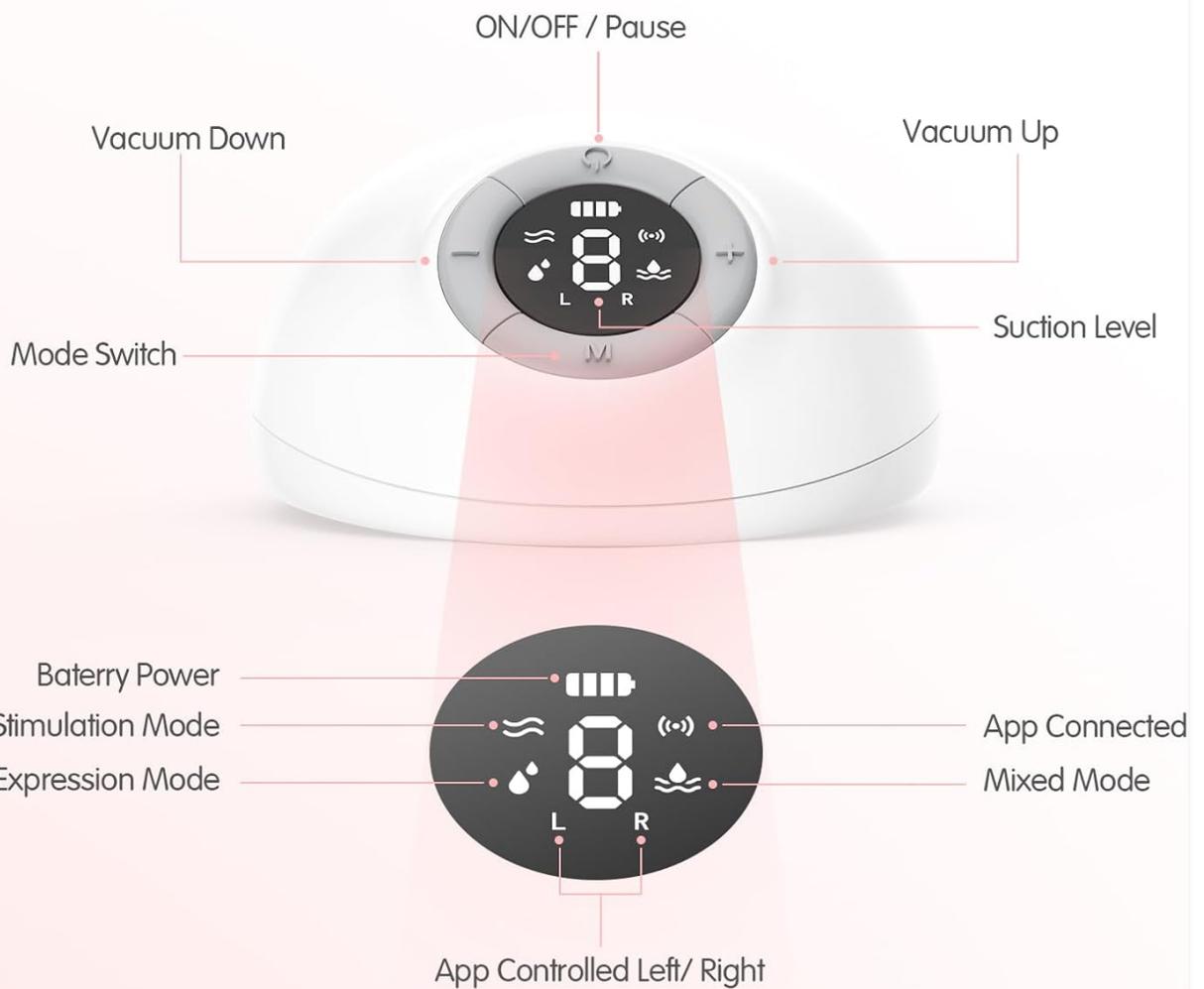


Image: The pump operates with 3 modes and 9 levels, designed for quiet operation (under 50 dB).

## 5.3 App Control Usage

Once paired, the HORIGEN app provides comprehensive control over your pump. You can:

- Select pumping modes and adjust suction levels remotely.
- Monitor pumping duration and milk quantity.
- Record and track your pumping history and milk supply trends.
- Personalize settings for future sessions.



## App Controlled & Record

Control your pump, record your milk quantity, and trend baby's growth.

Image: The HORIZEN app allows for comprehensive control and record-keeping of pumping sessions.

## 6. MAINTENANCE AND CLEANING

Proper cleaning and maintenance are essential for hygiene and longevity of your breast pump. Always clean parts immediately after each use.

### 6.1 Disassembly for Cleaning

Carefully disassemble all parts that come into contact with breast milk: the breast shield, flange insert, valve, diaphragm, and milk collection bottle. The pump motor unit should not be washed.

### 6.2 Cleaning Methods

All milk-contact parts can be cleaned by hand or in a dishwasher.

- **Hand Washing:** Rinse all disassembled parts under cold running water to remove milk residue. Wash thoroughly

with warm soapy water using a dedicated brush. Rinse again with clean water.

- **Dishwasher:** Place parts on the top rack of a dishwasher.

## Portable Breast Pump Set



Image: The pump's components are designed for easy cleaning, either by hand or in a dishwasher.

### 6.3 Sterilization

For initial use and periodically thereafter, sterilize all milk-contact parts by boiling them in water for 5 minutes or using a steam sterilizer.

### 6.4 Storage

After cleaning and drying, store all components in a clean, dry place. The included storage case is ideal for keeping your pump organized and protected.

## 7. TROUBLESHOOTING

If you encounter any issues with your HORIZEN breast pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No suction or weak suction	Improper assembly; Damaged valve/diaphragm; Low battery; Flange not sealed properly.	Ensure all parts are assembled correctly and securely. Check valve and diaphragm for tears or damage and replace if necessary. Charge the pump. Ensure the flange forms a tight seal against the breast.
Pump not turning on	Low battery; Power button not pressed correctly.	Charge the pump fully. Press and hold the power button firmly for a few seconds.
App not connecting to pump	Bluetooth off; Pump not in pairing mode; App issue.	Ensure Bluetooth is enabled on your phone. Restart the pump and the app. Try re-pairing the device in the app settings.

Problem	Possible Cause	Solution
Milk leaking from pump	Improper assembly; Overfilling; Damaged seal.	Verify all parts are securely assembled, especially the double-sealed flange. Do not overfill the milk collection bottle (max 6oz/180ml). Inspect seals for damage.

If the issue persists after trying these solutions, please contact customer support.

## 8. SPECIFICATIONS

- **Model Number:** HNR-US-2249BS1
- **Package Dimensions:** 10.83 x 4.61 x 3.5 inches
- **Weight:** 2.65 Pounds (total package)
- **Material:** Food-grade Silicone, Plastic (BPA-free)
- **Number of Items:** 2 (pumps)
- **Color:** White
- **Special Feature:** Wearable, APP Control
- **Charging Time:** Approximately 2 hours
- **Battery Life:** 7-8 sessions (approx. 30 minutes per session)
- **Noise Level:** < 50 dB
- **Modes:** 3 (Stimulation, Expression, Mixed)
- **Suction Levels:** 9
- **Flange Sizes Included:** 15mm, 17mm, 21mm, 25mm

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

Your HORIZEN Wearable Breast Pump is covered by a manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included in your package for specific terms and conditions, including warranty period and coverage details. Keep your purchase receipt as proof of purchase.

### 9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact HORIZEN customer support. Contact information can typically be found on the product packaging, the official HORIZEN website, or through your point of purchase.

We are committed to providing excellent service and support for your HORIZEN product.

