Orwk BSX593

Orwk Automatic Digital Blood Pressure Monitor User Manual

Model: BSX593

1. Introduction

Thank you for choosing the Orwk Automatic Digital Blood Pressure Monitor. This device is designed for accurate and convenient measurement of blood pressure and heart rate at home. It features an adjustable upper-arm cuff, a large LCD backlit display, and memory storage for two users. Please read this manual thoroughly before use to ensure proper operation and to obtain the most accurate results.



Image 1.1: The Orwk Automatic Digital Blood Pressure Monitor, showing its large display and integrated cuff.

2. Safety Information

Please observe the following safety precautions:

- This monitor is designed for adult use. If considering use for children, consult a healthcare professional and ensure the cuff size is appropriate, as the provided cuff might be too large for younger individuals.
- Do not use this device for diagnostic purposes. Always consult a healthcare professional for interpretation of blood pressure readings.
- Do not attempt to repair or modify the device yourself. Refer all servicing to qualified personnel.
- Keep the device out of reach of infants and children.
- Avoid using the device in strong electromagnetic fields (e.g., near mobile phones, microwave ovens).

3. Package Contents

Upon unpacking, please verify that all the following items are included:

- 1 x Orwk Blood Pressure Monitor (Model BSX593)
- 1 x Upper-Arm Cuff (Adjustable 8.7" - 16.5")
- 1 x Instruction Manual
- 1 x Type-C Charging Cable
- 4 x AA Batteries
- 1 x Storage Bag



Image 3.1: Visual representation of the items included in the product package.

4. Product Overview

Familiarize yourself with the components and display elements of your blood pressure monitor.

4.1 Device Components

- **Main Unit:** Houses the display, control buttons, and air pump.
- **Upper-Arm Cuff:** Connects to the main unit and wraps around the upper arm.
- **Air Tube:** Connects the cuff to the main unit.
- **SET Button:** Used for setting date, time, and user profiles.
- **START/STOP Button:** Initiates and stops measurement.
- **MEM Button:** Accesses stored measurement records.
- **Type-C Port:** For optional power supply via Type-C cable.
- **Battery Compartment:** Located on the back, for AA batteries.

4.2 LCD Display Elements



Image 4.1: Detailed diagram illustrating the various indicators on the LCD display, including battery level, user ID, pressure indicator, pulse signal, memory group, average value, date/time, systolic/diastolic blood pressure, pulse rate, alarm, and irregular heartbeat symbols.

5. Setup

5.1 Installing Batteries

1. Open the battery compartment cover on the back of the monitor.
2. Insert four (4) AA batteries, ensuring the correct polarity (+/-) as indicated inside the compartment.
3. Close the battery compartment cover securely.

The device can also be powered via the included Type-C charging cable, offering flexible power options.



Image 5.1: The monitor's dual power options: Type-C cable connection and the battery compartment for 4 AA batteries.

5.2 Connecting the Cuff

Insert the air plug of the cuff firmly into the air jack on the side of the main unit. Ensure a secure connection to prevent air leakage during measurement.

6. Operating Instructions

6.1 Preparing for Measurement

For accurate readings, follow these guidelines:

- Sit peacefully with your feet flat on the ground and rest for at least 15 minutes before measuring.
- Avoid measuring within 30 minutes after eating, exercising, smoking, or drinking alcohol.
- It is recommended to measure blood pressure 1 hour after waking up or before going to bed.
- Wait at least 3 minutes before taking a subsequent measurement.

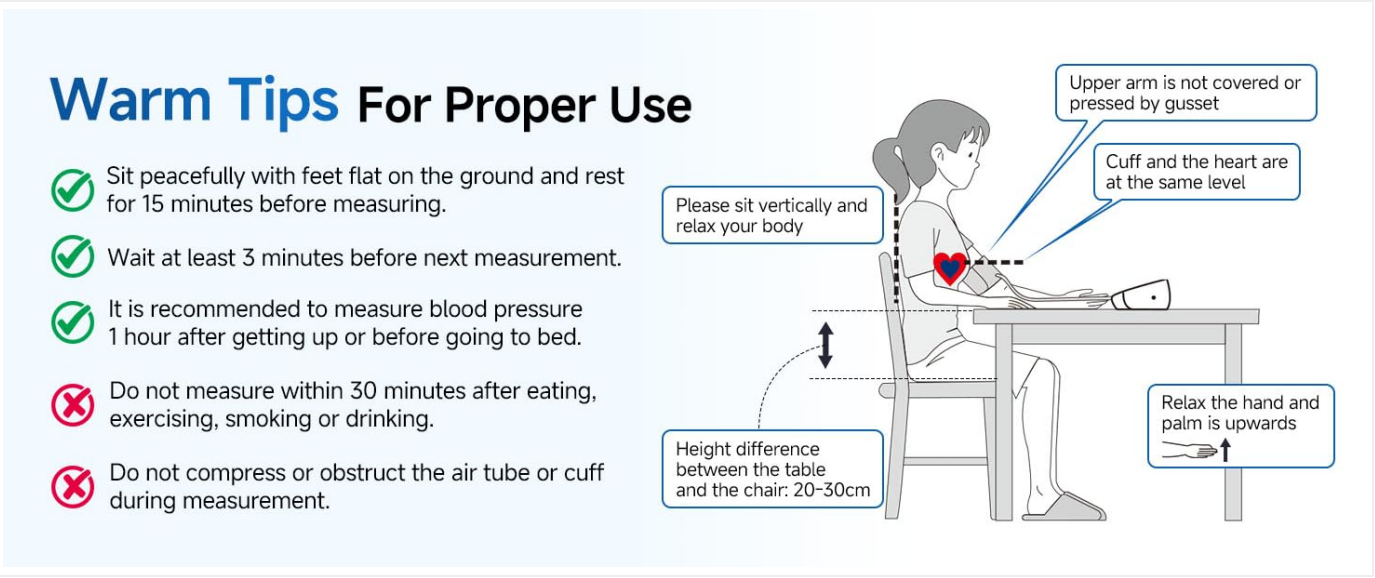


Image 6.1: Visual guide for proper body positioning and important tips to ensure accurate blood pressure readings.

6.2 Applying the Cuff

1. Sit up straight and relax. Place your arm on a table, palm up.
2. Put the cuff on your upper arm. The lower edge of the cuff should be 2-3 cm above your elbow.
3. Align the cuff horizontally with your heart. Ensure the air tube is inside the arm and not twisted.
4. Tighten the cuff moderately. The adjustable cuff (8.7" - 16.5") is designed to fit various arm sizes comfortably.



Image 6.2: The adjustable cuff (8.7"-16.5") ensures a comfortable fit, and the monitor provides an error message if the cuff is not worn correctly.

6.3 Taking a Measurement

1. Once the cuff is correctly applied and you are in a relaxed position, press the **START/STOP** button.
2. The cuff will begin to inflate automatically. Remain still and silent during the measurement.

3. After 30-40 seconds, the measurement will complete, and your systolic pressure, diastolic pressure, and pulse rate will be displayed on the screen.



Image 6.3: Step-by-step visual guide on how to correctly apply the cuff and initiate a blood pressure measurement.

6.4 User Selection and Memory Function

The monitor supports two user accounts, each capable of storing up to 99 records. This allows for convenient tracking of blood pressure trends for two individuals.

- To switch between User 1 and User 2, press the **SET** button when the device is off. The user icon will toggle.
- To view stored records, press the **MEM** button. Repeatedly pressing **MEM** will cycle through the stored measurements for the currently selected user.
- The device automatically averages three measurements for enhanced reliability.

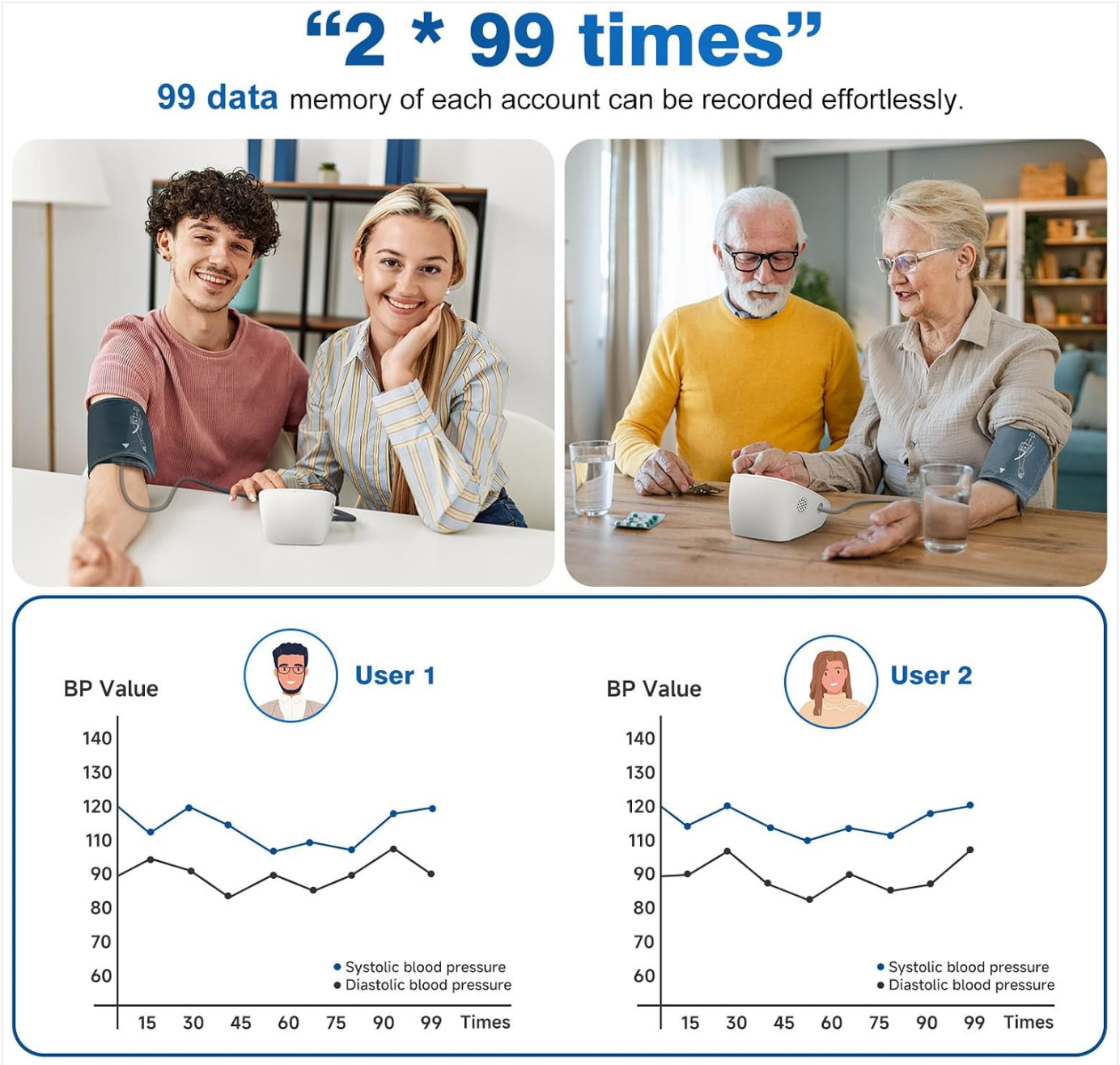


Image 6.4: The monitor's capability to store 99 records for each of two users, facilitating long-term health tracking.

7. Understanding Your Results

7.1 LCD Display Interpretation

The large LCD backlit screen ensures clear visibility of your readings even in dim or bright light. Refer to Image 4.1 for a detailed breakdown of all display elements.



Image 7.1: The clear LCD backlit display showing blood pressure and pulse readings.

7.2 Three-Color Indicator Bars

On the left side of the screen, there are blood pressure indicator bars in three colors, developed by the International Society of Hypertension (ISH) for easy reference. These bars help you quickly interpret your measurement result:

- **Green:** Normal Pressure
- **Yellow:** Mild High Pressure (Elevated)
- **Red:** High Pressure (Hypertension)



Image 7.2: Examples of the 3-color indicator bars on the display, categorizing blood pressure readings.

7.3 Irregular Heartbeat Detection

The monitor is equipped with an irregular heartbeat detection feature. If an irregular heartbeat is detected during measurement, a specific symbol will appear on the display. If this symbol appears frequently, consult your doctor.



Image 7.3: The monitor displaying heart rate and the symbol for irregular heartbeat detection.

7.4 Blood Pressure Classification

The following table provides a general classification of blood pressure levels for your reference. Always consult a healthcare professional for diagnosis and treatment.

Blood Pressure Classification	Systolic mmHg		Diastolic mmHg
Normal	Less than 120	and	Less than 80
Elevated	120-129	and	Less than 80
High Blood Pressure (Hypertension) Stage 1	130-139	or	80-90
High Blood Pressure (Hypertension) Stage 2	Less than 120	or	90 or higher
Hypertensive Crisis (Consult your doctor immediately)	Hypertensive Crisis (Consult your doctor immediately)	And / or	Higher than 120

Table 7.1: Blood Pressure Classification based on general guidelines.

8. Factors Affecting Accuracy of Blood Pressure Measurement

Several factors can influence the accuracy of your blood pressure readings. Be aware of these to ensure reliable measurements:

Factor	Magnitude of systolic/diastolic blood pressure discrepancy (mm Hg)
Talking or active listening	10/10
Distended bladder	15/10
Cuff over clothing	5-50
Cuff too small	10/2-8
Smoking within 30 minutes of measurement	6-20
Paralyzed arm	2-5
Back unsupported	6-10
Arm unsupported, sitting	1-7/5-11
Arm unsupported, standing	6/8

Table 8.1: Common factors that can lead to discrepancies in blood pressure measurements.

9. Maintenance

9.1 Cleaning

Wipe the monitor and cuff with a soft, dry cloth. If necessary, use a slightly damp cloth with mild soap, then wipe dry. Do not use abrasive cleaners or immerse the device in water.

9.2 Storage

Store the device in the provided storage bag in a cool, dry place, away from direct sunlight, extreme temperatures, and humidity. Remove batteries if the device will not be used for an extended period.

10. Troubleshooting

If you encounter any issues with your blood pressure monitor, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Device does not power on	Batteries are depleted or incorrectly inserted; Power cable not connected.	Replace batteries with new ones, ensuring correct polarity. Check Type-C cable connection.
Cuff does not inflate or inflates weakly	Air plug is loose; Cuff is damaged; Air tube is kinked.	Ensure air plug is firmly inserted. Check cuff and tube for damage or kinks.
Inaccurate or inconsistent readings	Improper cuff placement; Movement or talking during measurement; Not resting before measurement; External factors (see Section 8).	Re-apply cuff correctly. Remain still and silent. Rest for 15 minutes before measuring. Review Section 8.
Error message on display	Cuff worn incorrectly; Movement during measurement; Device malfunction.	Ensure cuff is applied correctly and snugly. Remain still. If error persists, contact customer support.

11. Specifications

- **Model Name:** BSX593
- **Product Dimensions:** 4.55"L x 3.59"W x 2.48"Th
- **Item Weight:** 15.52 Ounces
- **Cuff Size:** Adjustable 8.7" - 16.5" (Medium)
- **Display Type:** LCD Backlit Display
- **Power Source:** 4 AA Batteries (included) or Type-C Charging Cable
- **Memory:** 2 users x 99 sets of data each
- **Measurement Method:** Oscillometric
- **Measurement Range:** (Not explicitly provided, typical range assumed) Pressure: 0-299 mmHg; Pulse: 40-199 beats/minute
- **Accuracy:** Pressure: ±3 mmHg; Pulse: ±5% of reading
- **Automatic Shut-off:** Approximately 1 minute after inactivity
- **Manufacturer:** ShenzhenBSXTechnology Electronics Co., Ltd

12. Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official Orwk website. Our customer service team is available to assist you with any questions or concerns regarding your

blood pressure monitor.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

What does each error number stand for on the Orwk BSX593 blood pressure monitor?

While the provided manual for the Orwk BSX593 does not list a specific numbered table for errors 2 through 5, these codes on digital blood pressure monitors typically correspond to specific mechanical or user-related...

Read full answer

How do I fix Error 2 on the Orwk BSX593 blood pressure monitor?

On the Orwk BSX593, an "Error 2" (or Err 2) typically indicates a measurement error related to the cuff or movement during the inflation/deflation cycle. Since your device inflates but does not release air...

Read full answer