

## Wellue BP2A

# Wellue Bluetooth Blood Pressure Monitor BP2A User Manual

Model: BP2A | Brand: Wellue

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Wellue Bluetooth Blood Pressure Monitor BP2A. This device is designed for home use to measure systolic blood pressure (SYS), diastolic blood pressure (DIA), mean arterial pressure (MAP), pulse rate, and pulse pressure. It also features an ECG function for additional heart health monitoring. Please read this manual thoroughly before first use and retain it for future reference.

## 2. IMPORTANT SAFETY INFORMATION

- Consult your physician before using this device for any medical condition. Self-diagnosis and treatment based on measurements can be dangerous.
- This device is intended for adult home use only. It is not intended for use on infants, children, or pregnant women.
- Do not use this device in conjunction with high-frequency surgical equipment.
- Keep the device out of reach of children and pets.
- Do not disassemble or attempt to repair the device. Refer all servicing to qualified personnel.
- Avoid strong electromagnetic fields during use, as they may interfere with the device's operation.
- Statements regarding dietary supplements have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition.

## 3. PACKAGE CONTENTS

Verify that all items are present upon opening the package:

- Wellue Bluetooth Blood Pressure Monitor BP2A (integrated with cuff)
- USB Charging Cable
- User Manual

## 4. DEVICE OVERVIEW

The Wellue BP2A monitor features a compact, one-piece design for ease of use and portability. It includes an integrated arm cuff, a digital display, and control buttons.



Figure 4.1: Wellue BP2A Blood Pressure Monitor and ViHealth App Interface.

# Features



For iOS and Android APP



Real-time results and trends



Check of Both Blood Pressure & ECG



FDA-Cleared Product



Built-in Rechargeable Lithium Battery



Built-in Memory for 50 Sets of Readings



Figure 4.2: Key features of the Wellue BP2A monitor, including Bluetooth connectivity, FDA clearance, rechargeable battery, and built-in memory for 50 readings.

## 5. SETUP

### 5.1 Charging the Device

Before initial use, fully charge the device using the provided USB cable. Connect the cable to the monitor's charging port and a standard USB power adapter (not included). A full charge can provide power for up to 300 measurements.

### 5.2 Installing the ViHealth App

The Wellue BP2A works with the free ViHealth app, available for iOS and Android devices. Search for "ViHealth" in your device's app store and install it.

# FREE APP FOR ANDROID & iOS

Track Your Blood Pressure with  Measurements



Figure 5.1: The ViHealth app for Android and iOS, used to track blood pressure and heart measurements.

## 5.3 Bluetooth Pairing

Ensure Bluetooth is enabled on your smartphone. Open the ViHealth app. Turn on the Wellue BP2A monitor. The device should automatically connect to the app. Follow any on-screen prompts within the app to complete the pairing process.

## 6. OPERATING INSTRUCTIONS

### 6.1 Proper Cuff Placement

Accurate measurement depends on correct cuff placement. Ensure the cuff is placed directly on your bare upper arm, 1-2 cm above the elbow joint. The air tube (if applicable, though this is a one-piece design, the sensor area should be aligned) should be positioned over the brachial artery. The cuff should fit snugly but not too tightly. Refer to the diagram below for guidance.

# PORTABLE & RECHARGEABLE



Figure 6.1: Correct cuff placement for accurate blood pressure measurement.

## 6.2 Taking a Blood Pressure Measurement

1. Sit comfortably with your back supported and feet flat on the floor. Rest your arm on a table so the cuff is at heart level.
2. Ensure the device is powered on and, if desired, connected to the ViHealth app.
3. Press the **Start/Stop** button on the device. The cuff will begin to inflate.
4. Remain still and silent during the measurement.
5. Once complete, your blood pressure readings (SYS, DIA, MAP, Pulse Rate, Pulse Pressure) will be displayed on the device screen and automatically uploaded to the ViHealth app if connected.



# Monitoring Blood Pressure Made Convenient



Figure 6.2: User taking a blood pressure measurement with the Wellue BP2A monitor.

## 6.3 Taking an ECG Measurement

The device also supports ECG measurements. To take an ECG:

1. Ensure the device is powered on and connected to the ViHealth app.
2. Hold the device with both hands, placing your thumbs on the designated electrodes (usually the metal strips on the sides or top of the device).
3. Remain still and relaxed for the duration of the measurement (typically 30 seconds).
4. The ECG waveform and heart rate will be displayed on the device and recorded in the app.

# Real-time Recoreding of ECG Values

Need static measurement, The value is more accurate.  
The value is presented in 30 seconds.



Figure 6.3: Real-time recording of ECG values using the Wellue BP2A monitor.

## 6.4 Using the ViHealth App for Data Management

The ViHealth app allows you to:

- View real-time readings during measurement.
- Access historical data and trends for multiple users.
- Generate and share PDF/CSV reports with healthcare providers.
- Track both blood pressure and ECG data in one place.



# Sharing EKG Reports with Doctors



Figure 6.4: Sharing EKG reports generated by the ViHealth app.

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Video 6.1: Demonstration of the Wellue blood pressure monitor's features and its integration with the ViHealth app for real-time readings and data sharing.

## 7. MAINTENANCE

### 7.1 Cleaning

Wipe the device and cuff with a soft, dry cloth. If necessary, use a cloth lightly dampened with water or a mild disinfectant. Do not immerse the device in water or use abrasive cleaners.

### 7.2 Storage

Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case when not in use.



## 7.3 Battery Care

To prolong battery life, charge the device regularly, even if not used frequently. Avoid fully discharging the battery for extended periods.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on	Low battery	Charge the device using the USB cable.
Cannot connect to app	Bluetooth off, app not open, device not in pairing mode	Ensure Bluetooth is on, open ViHealth app, restart device.
Inaccurate readings	Incorrect cuff placement, movement during measurement, speaking during measurement	Re-position cuff correctly, remain still and silent during measurement.
Cuff does not inflate	Cuff not properly attached, air leak	Check cuff connection, ensure no leaks.

## 9. SPECIFICATIONS

- Model Name:** Armfit Plus
- Item Model Number:** BP2A
- Brand:** Wellue
- Cuff Size:** 8.7-16.5 inches (22-42 cm)
- Power Source:** Battery Powered (1 Lithium Ion battery, included)
- Display Type:** Digital
- Product Dimensions:** 5.9"L x 1.9"W x 1.18"Th
- Weight:** Approximately 15.84 ounces
- Connectivity:** Bluetooth
- Memory:** Built-in memory for 50 sets of readings

## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Wellue website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.