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ViATOM SB-EX

ViATOM ECG Monitor User Manual

Model: SB-EX

1. Introduction

The ViATOM ECG Monitor (Model SB-EX) is a portable cardiac device designed for convenient and accurate heart activity monitoring. It allows users to record electrocardiogram (ECG) data and synchronize it with smartphones (iOS/Android) or PCs via Bluetooth or USB. This manual provides detailed instructions for the safe and effective use of your device.



Image 1.1: Overview of the ViATOM ECG Monitor and its key features, including a 2.4-inch touchscreen, AI-powered reports, dual-user support, quick check options (30/60 seconds), 5-minute recording capability, and up to 500 uses per charge.

2. Safety Information

Please read all safety information before using the device. Failure to follow these instructions may result in inaccurate readings or device damage.

- This device is for informational purposes only and is not intended to replace professional medical diagnosis or treatment. Consult a healthcare professional for any health concerns.
- Do not use the device if you have a pacemaker or other implanted electronic medical devices.
- Keep the device dry. Do not immerse it in water or other liquids.
- Keep out of reach of children.

- Use only accessories and cables provided or approved by ViATOM.
- Avoid strong electromagnetic fields during use.

3. Package Contents

Verify that all items are present in your package:

- ViATOM ECG Monitor (Model SB-EX)
- Charging Cable
- Electrode Cable
- Multiple Pairs of Reusable Electrodes
- Soft Storage Pouch
- Lanyard
- User Manual

4. Device Overview

The ViATOM ECG Monitor features a compact design with a 2.4-inch touchscreen for easy navigation. It includes integrated electrodes for quick measurements and a port for external electrode cables for more stable, longer recordings.



Image 4.1: The device's touchscreen interface, displaying current heart rate, options for Bluetooth and PC connectivity, and user profile selection.

5. Setup

5.1 Initial Charging

Before first use, fully charge the device using the provided charging cable and a standard USB power adapter (not included). The battery indicator on the screen will show charging status.

5.2 Power On/Off

Press and hold the power button located on the side of the device to turn it on or off.

5.3 Language Selection

Navigate through the settings menu on the touchscreen to select your preferred language (e.g., English, German, French, Italian, Spanish).

5.4 User Profile Setup

The device supports two user profiles (User A and User B) for family use. Select a user profile from the main menu to store data separately.



Image 5.1: The intuitive touchscreen allows for easy navigation through menus, including user selection and settings.

6. Operating Instructions

The ViATOM ECG Monitor offers flexible measurement options:

6.1 Portable Measurement (Handheld)

For quick checks, hold the device with both hands, placing your thumbs on the integrated electrodes. Ensure good skin contact. The device will automatically start recording.

6.2 Wired Electrode Measurement

For more stable and longer recordings (up to 5 minutes), attach the electrode cable to the device and apply the reusable electrodes to your body. Common placements include:

- **Lead I:** Electrodes on both wrists.
- **Lead II:** Electrode on right wrist and left ankle.
- **Chest Leads (V1-V6):** Specific placements on the chest for detailed analysis.

Refer to Image 6.1 for visual guidance on electrode placement.



Image 6.1: Various methods for taking an ECG measurement, including handheld (Lead I, Lead II) and wired electrode placements (Lead I Wire Lead, Chest Lead V1-V6).

Image 6.2: Illustration of both portable handheld measurement and wired electrode measurement on the wrists for flexible ECG monitoring.

6.3 Measurement Duration

You can select measurement durations of 30 seconds, 60 seconds, or 5 minutes from the device settings. Note that the 5-minute recording option is only available with wired electrode measurements.

6.4 AI Analysis

The device features AI-based analysis to detect common cardiac pathologies such as Atrial Fibrillation (AFib), Atrial Flutter, Ventricular Tachycardia (VT), and Sinus Tachycardia. This analysis is available through the ViHealth app and provides informative results.



Image 6.3: The device's AI analysis capability, showing detection of an irregular heartbeat and the corresponding detailed report in the ViHealth app.

7. Connecting to App/PC

The ViATOM ECG Monitor offers seamless data synchronization with your smart devices and computer.

7.1 ViHealth App (iOS & Android)

1. Download the **ViHealth** app from the App Store (iOS) or Google Play Store (Android).
2. Enable Bluetooth on your smartphone/tablet.
3. Open the ViHealth app and follow the on-screen instructions to pair your device.
4. Once connected, recorded data will automatically synchronize to the app.

7.2 PC Software

1. Download the PC software from the official ViATOM website.
2. Install the software on your computer.
3. Connect the ECG Monitor to your PC using the provided USB cable.
4. Open the PC software to view, analyze, and export your ECG data.



Image 7.1: The device supports dual-mode synchronization, allowing connection to smartphones via Bluetooth and to PCs via USB cable for data transfer.

8. Data Management

Manage your heart health data efficiently with the ViATOM ECG Monitor and its accompanying software.

8.1 Storing Data

The device can store multiple ECG recordings internally. Once connected to the app or PC software, data is automatically transferred and stored for long-term access.

8.2 Dual-User Mode

The dual-user mode allows two individuals to track their heart health separately, ensuring personalized data management. Select your user profile (A or B) before taking a measurement.



Image 8.1: The dual-user mode facilitates family sharing, allowing separate profiles for tracking and managing individual heart health data.

8.3 Viewing and Exporting Reports

The ViHealth app and PC software provide detailed reports of your ECG recordings. You can view historical data, analyze waveforms, and export reports in PDF or JPG format for sharing with healthcare professionals.



Image 8.2: The ViHealth app interface, showing a history of recordings, a detailed ECG report with rhythm suggestions, and the option to generate a PDF report.



Image 8.3: The PC software interface, demonstrating how ECG reports can be viewed and managed on a computer.

9. Maintenance

9.1 Cleaning

Wipe the device with a soft, dry cloth. For disinfection, use a cloth lightly dampened with isopropyl alcohol. Do not use abrasive cleaners or immerse the device in liquids.

9.2 Battery Care

To prolong battery life, avoid fully discharging the device frequently. Charge it regularly, especially if not used for extended periods.

10. Troubleshooting

If you encounter issues with your ViATOM ECG Monitor, refer to the following common problems and solutions:

- **Device not turning on:** Ensure the device is fully charged. If the issue persists, contact support.
- **Inaccurate readings:** Ensure proper skin contact with electrodes. Clean electrodes and skin if necessary. Avoid movement during measurement.
- **Cannot connect to app/PC:** Ensure Bluetooth is enabled on your smartphone/tablet or the USB cable is securely connected to your PC. Restart the device and the app/software.
- **App not syncing data:** Check your internet connection and ensure the app has necessary permissions.

For further assistance, contact ViATOM customer support.

11. Specifications

Feature	Description
Brand	ViATOM
Model Number	SB-EX (Part Number) / b480dcb6-2d96-4b04-b5af-abe59e70a987
Dimensions	88 x 56 x 13 mm
Color	Black or White
Material	Resin, Silica, Acrylonitrile Butadiene Styrene (ABS), Stainless Steel, Silicone, Rubber, Fiber
Compatible Devices	Smartphones, Tablets
Sensor Type	Contact
Battery	Internal Rechargeable Lithium-ion
Connectivity	Bluetooth, USB
Country of Origin	China

12. Warranty and Support

ViATOM provides a 2-year availability for spare parts within the EU. For warranty claims, technical support, or any inquiries, please contact ViATOM customer service through their official website or the contact information provided in your product packaging.

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