BERRY AM6100

BERRY Veterinary Monitor AM6100 User Manual

Comprehensive Guide for Pet Vital Sign Monitoring

1. Introduction

This manual provides detailed instructions for the safe and effective operation of the BERRY Veterinary Monitor AM6100. This device is designed for monitoring vital signs in animals, including dogs and cats. Please read this manual thoroughly before using the device to ensure proper function and accurate readings.

2. Product Overview

The BERRY Veterinary Monitor AM6100 is a portable, multi-parameter veterinary monitor capable of measuring six vital parameters: SpO2 (blood oxygen saturation), pulse rate, ECG (electrocardiogram), NIBP (non-invasive blood pressure), respiration, and temperature. It features a 2.4-inch digital display and Bluetooth 4.0 connectivity for data management via a mobile application.

2.1 Key Features

- **Accurate and Reliable:** Monitors SpO2, pulse rate, and ECG with high accuracy.
- **Easy-to-Read Display:** 2.4-inch digital screen displays all parameters clearly.
- **Simple Operation:** All functions can be performed with a single button.
- **Bluetooth 4.0 Functionality:** Connects to PCs, Android phones, and iPhones for data storage, analysis, and export.
- **Portable Design:** Lightweight and compact for easy transport.

2.2 What's in the Package



Figure 2.2.1: The package includes the AM6100 monitor, SpO2 sensor, ECG cable, ECG electrode clips, NIBP tube, reusable NIBP cuff, disposable NIBP cuff, USB cable, user manual, and APP manual.

- BERRY Veterinary Monitor AM6100
- SpO2 Sensor
- ECG Cable
- 3 x ECG Electrode Clips
- NIBP Tube
- Reusable NIBP Cuff
- Disposable NIBP Cuff
- USB Cable
- User Manual (this document)
- APP Manual

3. Setup

3.1 Initial Device Setup

Before first use, ensure the device is fully charged using the provided USB cable. The battery indicator on the display will show charging status.

3.2 Connecting Sensors

Connect the appropriate sensors (SpO2, ECG, NIBP tube, Temperature probe) to their designated ports on the monitor. Ensure connections are secure.

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Video 3.2.1: This video demonstrates the connection of SpO2, ECG, NIBP, and Temperature sensors to a veterinary monitor, showing the application of each sensor to a dog for vital sign measurement.

- **SpO2 Sensor:** Attach the SpO2 sensor to a suitable location on the animal, such as the tongue or ear, ensuring good contact.
- **ECG Cable:** Connect the ECG electrode clips to the animal's limbs or torso as directed by a veterinarian, ensuring proper skin contact.
- **NIBP Cuff:** Select the appropriate size NIBP cuff for the animal's limb (thigh or forelimb). Secure the cuff firmly but not too tightly. Connect the NIBP tube to the cuff and the monitor.
- **Temperature Probe:** Insert the temperature probe into the animal's mouth or rectum for accurate temperature measurement.

3.3 Bluetooth Connection and App Setup

The monitor can connect to a compatible smart device (PC, Android, iPhone) via Bluetooth 4.0 for enhanced data management.

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Video 3.3.1: This video demonstrates how to connect the BERRY Veterinary Monitor to a mobile application via Bluetooth, showing the steps to pair the device and view real-time data on the app interface.

1. Download the "Berry Monitor" or "Pet Monitor" app from Google Play or the Apple App Store (refer to the APP manual for specific download methods).
2. Ensure Bluetooth is enabled on your smart device.
3. Power on the BERRY Veterinary Monitor.
4. Open the app and search for available Bluetooth devices. Select "BerryMed" or the device ID to connect.
5. Once connected, real-time data will be displayed on the app interface, allowing for data storage, analysis, and export.

4. Operating Instructions

4.1 Power On/Off

Press and hold the power button (usually located on the front panel) for a few seconds to turn the device on or off.



Figure 4.1.1: Monitor display and button layout.

4.2 Measurement Modes

The device may offer different modes for various animal types (e.g., Cat Mode, Dog Mode). Select the appropriate mode via the settings menu on the device or the connected app to optimize measurement parameters for the specific animal.

4.3 Taking Measurements

Once sensors are connected and the device is powered on, it will begin monitoring. Ensure the animal is calm and still for accurate readings.




NIBP
SpO2
ECG
SpO2
98
%
75
bpm
HR
SYS
120
mmHg
80
mmHg
DIA
RESP
20
bpm
37.5
°C
TEMP
VET
CARE
AM6100

Figure 4.3.1: The monitor displays real-time vital signs including SpO2, HR, SYS, DIA, RESP, and TEMP.

- **SpO2 and Pulse Rate:** Readings will appear automatically once the SpO2 sensor is correctly placed.
- **ECG:** The ECG waveform will be displayed once the electrodes are properly attached.
- **NIBP (Blood Pressure):** Press the NIBP button on the device or app to initiate a blood pressure measurement. The cuff will inflate and deflate automatically.
- **Respiration:** Respiration rate is typically derived from the ECG or a dedicated respiration sensor if available.
- **Temperature:** Temperature readings will be displayed once the probe is correctly positioned.

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Video 4.3.2: This video illustrates the process of measuring blood pressure in a dog using the NIBP cuff and the BERRY Veterinary Monitor, showing the cuff application and the device displaying the readings.

4.4 Data Storage and Review

The device stores data internally and can transfer it to the connected app. The app allows for viewing historical data in tables and graphs, as well as exporting for further analysis.

4.5 Alarm Settings

The monitor features adjustable alarm limits for each parameter. Users can set high and low thresholds, and the device will alert if readings fall outside these ranges. Alarm sounds and volumes can also be customized via the app.

5. Maintenance

- **Cleaning:** Clean the device and sensors with a soft, damp cloth. Do not use abrasive cleaners or immerse the device in water.
- **Storage:** Store the monitor and accessories in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Recharge the battery regularly to maintain its lifespan. Avoid fully discharging the battery for extended periods.
- **Sensor Inspection:** Regularly inspect all cables and sensors for any signs of wear or damage. Replace damaged components immediately.

6. Troubleshooting

Problem	Possible Cause	Solution
No readings/Inaccurate readings	Loose sensor connection, incorrect sensor placement, animal movement.	Check all sensor connections, reposition sensors for optimal contact, ensure animal is calm.
Bluetooth connection failure	Bluetooth off on smart device, device out of range, interference.	Ensure Bluetooth is on, bring devices closer, restart both devices.
NIBP cuff not inflating/deflating properly	Cuff too loose/tight, tube kinked, air leak.	Adjust cuff placement and tightness, check NIBP tube for kinks or damage.

Problem	Possible Cause	Solution
Device not powering on	Low battery, device malfunction.	Charge the device. If problem persists, contact support.

7. Specifications

- **Model:** AM6100
- **Brand:** BERRY
- **Display:** 2.4-inch digital screen
- **Connectivity:** Bluetooth 4.0
- **Parameters Monitored:** SpO2, Pulse Rate, ECG, NIBP, Respiration, Temperature
- **Power:** 1 Lithium Polymer battery (included)
- **Dimensions:** 10.87 x 7.95 x 4.49 inches
- **Weight:** 1.32 Pounds
- **Manufacturer:** BERRY



Figure 7.1: The AM6100 monitor is designed for a wide range of animals, including various sizes of cuffs for different species.

8. Important Safety Information

WARNING:

- This device is for veterinary patient use only. It is not a medical device for human use.
- Always consult with a qualified veterinarian for diagnosis, treatment, and any health conditions of your pet. This monitor is intended to assist in monitoring and should not replace professional veterinary advice.
- Ensure all sensors are correctly applied and secured to prevent injury or inaccurate readings.
- Do not attempt to service or repair the device yourself. Refer to qualified personnel for any maintenance or repair needs.

9. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the contact details provided in the original product packaging or visit the official BERRY website. Keep your purchase receipt as proof of purchase for warranty

claims.

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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

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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