

## Berrcom JXB-178

# BERRCOM JXB-178 Infrared Fever Thermometer

## USER MANUAL

### 1. Introduction

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Thank you for choosing the BERRCOM JXB-178 Non-Contact Infrared Thermometer. This device is designed for accurate and hygienic temperature measurement of the forehead and surfaces. It provides quick and reliable readings, making it ideal for use with infants, children, and adults.

Please read this manual thoroughly before using the device to ensure proper operation and to maintain its accuracy and longevity.

### 2. Safety Information

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- Do not immerse the thermometer in water or other liquids.
- Keep the device away from direct sunlight, dust, and extreme temperatures.
- Do not drop or subject the thermometer to strong impact.
- Do not attempt to disassemble or repair the device yourself. Contact qualified service personnel.
- Ensure the measurement distance is within 3-5 cm for accurate readings.
- This device is intended for household use and should not replace professional medical advice.
- Dispose of batteries and the device according to local regulations.

### 3. Product Overview

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The BERRCOM JXB-178 features a clear digital display, intuitive buttons, and a comfortable ergonomic design for easy handling.



**Figure 1:** BERRCOM JXB-178 Infrared Thermometer with key components labeled. Labels include Display, Mode Button, Transmission Button, Memory Button, Infrared Sensor, and On/Off Switch. The image also shows the battery compartment and examples of the three-color backlight display (green for normal, yellow for elevated, red for high fever).

- **Display:** Digital screen showing temperature readings and mode indicators.
- **Mode Button:** Switches between Body, Surface, and Ambient temperature modes.
- **Memory Button:** Recalls previous temperature readings.
- **Infrared Sensor:** Detects infrared energy to measure temperature.
- **On/Off Switch:** Powers the device on or off.
- **Battery Compartment:** Houses the 2 AA batteries.

## 4. Package Contents

Verify that all items are present in the package:

- 1 x BERRCOM JXB-178 Non-Contact Infrared Thermometer

- 1 x User Manual (this document)
- (Batteries are not typically included, but the product description states "2 AA batteries required".)



**Figure 2:** Retail packaging of the BERRCOM JXB-178 Non-Contact Infrared Thermometer, showing the product and key features.

## 5. Setup

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### 5.1 Battery Installation

The BERRCOM JXB-178 thermometer requires 2 AA batteries (not included). Follow these steps to install them:

1. Locate the battery compartment cover on the handle of the thermometer.
2. Slide the cover open in the direction indicated by the arrow.
3. Insert 2 AA batteries, ensuring the correct polarity (+ and -) as marked inside the compartment.
4. Close the battery compartment cover until it clicks securely into place.



**Figure 3:** Front view of the BERRCOM JXB-178 Infrared Thermometer, showing the display and buttons. The battery compartment is located on the handle.

## 6. Operating Instructions

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### 6.1 Powering On/Off

- To turn on: Press the On/Off switch (trigger button). The display will light up.
- To turn off: The device will automatically shut off after approximately 30 seconds of inactivity to conserve battery life.

### 6.2 Taking a Temperature Measurement (Body Mode)

1. Ensure the thermometer is in "Body" mode. If not, press the "MODE" button to cycle through modes until "Body" is displayed.
2. Point the infrared sensor towards the center of the forehead, maintaining a distance of 3-5 cm (1.2-2 inches).
3. Press the measurement trigger (On/Off switch) once.
4. The temperature reading will be displayed on the screen within 1 second.
5. The display backlight color indicates the temperature status:
  - **Green:** Normal temperature (e.g., 36.8°C)
  - **Yellow:** Elevated temperature (e.g., 37.5°C)
  - **Red:** High fever (e.g., 39.6°C) with an audible alarm.



Figure 4: The BERRCOM JXB-178 thermometer displaying temperature readings with different backlight colors, indicating normal, elevated, and high fever temperatures.

### 6.3 Switching Measurement Modes

The thermometer supports multiple measurement modes:

- **Body Temperature:** For measuring human body temperature.
- **Surface Temperature:** For measuring the temperature of objects or surfaces.
- **Ambient Temperature:** For measuring the surrounding room temperature.

To switch between modes, press the "MODE" button repeatedly until the desired mode icon appears on the display.

### 6.4 Recalling Memory Readings

The thermometer can store up to 32 sets of temperature data.

1. With the thermometer powered on, press the "MEM" (Memory) button.
2. Each press of the "MEM" button will cycle through the stored readings, from the most recent to the oldest.

## 7. Maintenance and Care

- **Cleaning the Thermometer:** Use a soft cloth slightly dampened with alcohol (70% isopropyl) to wipe the surface of the thermometer. Do not use abrasive cleaners or immerse the device in water.



- **Cleaning the Sensor:** Gently clean the infrared sensor with a cotton swab dipped in alcohol. Allow it to dry completely before use. A dirty sensor can affect accuracy.
- **Storage:** Store the thermometer in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries if the device will not be used for an extended period.

## 8. Troubleshooting

Problem	Possible Cause	Solution
No display/Device won't turn on	Batteries are dead or incorrectly installed.	Replace batteries with new AA batteries, ensuring correct polarity.
Inaccurate readings	Sensor is dirty; measurement distance is incorrect; ambient temperature fluctuations.	Clean the sensor; ensure 3-5 cm distance; allow thermometer to acclimate to room temperature for 15-20 minutes before use.
"Lo" or "Hi" displayed	Temperature is outside the measurable range (0-60°C).	Ensure the object or person is within the operating temperature range.

## 9. Specifications

Feature	Detail
Model	JXB-178
Measurement Method	Non-Contact Infrared
Measurement Distance	3-5 cm
Temperature Range	0°C to 60°C (32°F to 140°F)
Display Type	Digital, Three-color backlight
Memory Storage	Up to 32 readings
Power Supply	2 x AA Batteries
Automatic Shut-off	Yes, after approx. 30 seconds
Dimensions (L x W x H)	15.24 x 0.03 x 0.03 cm (approx. 6 x 0.01 x 0.01 inches)
Weight	160 grams (approx. 5.6 oz)
Material	Plastic
Color	White
Manufacturer	Berrcom
Country of Origin	China

## 10. Warranty and Support

Specific warranty information for the BERRCOM JXB-178 Infrared Thermometer is not provided in the product details.

Please refer to the retailer's return policy or contact Berrcom directly for warranty claims and technical support.  
For further assistance, you may visit the official Berrcom website or contact their customer service department.