

GMBmth3677249029D

Generic B1200 7-inch LCD Digital Microscope User Manual

Model: GMBmth3677249029D

INTRODUCTION

Thank you for choosing the Generic B1200 7-inch LCD Digital Microscope. This device is designed for detailed observation and analysis, featuring a 12-megapixel camera, 1-1200X continuous magnification, and a large 7-inch LCD display. Its adjustable metal stand and auxiliary lights provide flexibility for various applications. This manual provides essential information for the proper setup, operation, and maintenance of your microscope. Please read it thoroughly before use.

PRODUCT COMPONENTS

Familiarize yourself with the main components of your B1200 Digital Microscope.



Figure 1: Front view of the B1200 Digital Microscope.



Figure 2: Rear view of the B1200 Digital Microscope, highlighting connectivity ports.



This upgrade type with 2 fill lights

Allows you to get a clearer imaging when you observe, giving you a better use experience. Angle adjustable can solve the problem of high reflection by the LED lights.

Specifications:
Type: without battery, with battery (optional)
Battery: 1 * 3000mAh lithium battery (according to your selection)
Pixel: 12 megapixel
Display Screen: 7-inch LCD display
Magnification: 1-1200 * continuous amplification system.
Sixteen Language Systems: English, Spanish, Russian, Korean, Japanese, Thai, Hebrew, Portugal, German, French, Italian, Turkish, Czech, Polish, Traditional Chinese, Simplified Chinese.

Figure 3: Close-up of the auxiliary lights and observation area.

- **7-inch LCD Display:** For real-time viewing of magnified images.
- **Main Lens:** Provides 1-1200X continuous magnification.
- **Focus Knob:** Adjusts the focus for clear images.
- **Adjustable Metal Stand:** Allows for flexible positioning of the microscope head.
- **Auxiliary LED Lights:** Two flexible lights for illuminating specimens.
- **Control Panel:** Buttons for power, menu, mode, and capture.
- **Line Controller:** External control unit for certain functions (if included).
- **USB Ports:** For data transfer and power.
- **MicroSD Card Slot:** For storing captured images and videos (card not included).

SETUP INSTRUCTIONS

1. **Unpack the Microscope:** Carefully remove all components from the packaging.
2. **Assemble the Stand:** Ensure the microscope head is securely attached to the metal stand. The stand allows for angle adjustment.

3. **Connect Power:** Connect the power adapter to the microscope's power input and plug it into a suitable power outlet. If your model includes a 3000mAh lithium battery, ensure it is charged before first use.
4. **Insert MicroSD Card (Optional):** If you plan to save images or videos, insert a formatted MicroSD card into the designated slot.
5. **Position Auxiliary Lights:** Adjust the flexible auxiliary LED lights to point towards the observation area on the base.
6. **Power On:** Press and hold the power button on the control panel to turn on the microscope. The 7-inch LCD display should illuminate.

OPERATING INSTRUCTIONS

Basic Observation

1. **Place Specimen:** Position the object you wish to observe on the base plate directly under the main lens.
2. **Adjust Height:** Use the adjustment knobs on the stand to raise or lower the microscope head, bringing the lens closer or further from the specimen.
3. **Adjust Focus:** Rotate the focus knob until the image on the LCD screen is clear and sharp.
4. **Adjust Magnification:** The microscope offers 1-1200X continuous amplification. Adjust the distance between the lens and the specimen, and refocus, to change the magnification level.
5. **Illuminate Specimen:** Turn on and adjust the auxiliary LED lights for optimal illumination. Angle the lights to minimize glare and shadows.

This is a digital microscope with continuous zoom

It has a wide ranges of viewing options compared to other microscopes, ranging from 1 to 1200 times magnification, and finding a suitable multiple for you.



Figure 4: Microscope in use for inspecting a circuit board.

Capturing Images and Videos

- **Photo Mode:** Press the "Mode" button to switch to photo mode. Press the "OK" or "Capture" button to take a still image.
- **Video Mode:** Press the "Mode" button again to switch to video recording mode. Press the "OK" or "Capture" button to start recording, and press it again to stop.
- **Review Files:** Use the "Menu" button to access the file browser and review captured images and videos.

Language Settings

The microscope supports twelve language systems. To change the language:

1. Press the "Menu" button to enter the settings menu.
2. Navigate to the "Language" option using the directional buttons.
3. Select your desired language from the list (English, Russian, Korean, Japanese, Portuguese, German, French, Italian, Traditional Chinese, Simplified Chinese, Dutch, Arabic).
4. Confirm your selection.

Supports 12 languages

English, Portuguese, Japanese, French, German, Korean, Russian, Italian
Dutch, Arabic, Simplified Chinese, Traditional Chinese



Figure 5: Supported languages for the B1200 Digital Microscope.

MAINTENANCE

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the main lens. Avoid abrasive materials or harsh chemicals.
- **Cleaning the Screen:** Wipe the LCD screen with a soft, dry cloth. For stubborn smudges, slightly dampen the cloth with water or a screen-cleaning solution.
- **General Cleaning:** Keep the microscope body and stand clean by wiping with a dry or slightly damp cloth.
- **Storage:** When not in use, store the microscope in a clean, dry, and dust-free environment.
- **Battery Care (if applicable):** If your model has a rechargeable battery, avoid fully discharging it frequently and store it with a partial charge if not used for extended periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Microscope does not power on.	No power connection or discharged battery.	Ensure power adapter is securely connected and plugged in. If battery-powered, charge the battery.
Image is blurry or out of focus.	Incorrect focus or specimen distance.	Adjust the focus knob. Adjust the height of the microscope head relative to the specimen.
Screen is dark or image is dim.	Insufficient lighting.	Turn on and adjust the auxiliary LED lights. Ensure ambient lighting is adequate.
Cannot save images/videos.	No MicroSD card, card full, or card error.	Insert a MicroSD card. Check if the card is full and delete unnecessary files or replace with a new card. Ensure the card is formatted correctly.
Display shows "No Signal".	Internal connection issue or sensor problem.	Power off and restart the microscope. If the problem persists, contact customer support.

SPECIFICATIONS

- **Model:** GMBmth3677249029D
- **Display Screen:** 7-inch LCD
- **Pixel:** 12 Megapixels
- **Magnification:** 1-1200X Continuous Amplification System
- **Battery (Optional):** 1 x 3000 mAh Lithium (depending on selection)
- **Supported Languages:** English, Russian, Korean, Japanese, Portuguese, German, French, Italian, Traditional Chinese, Simplified Chinese, Dutch, Arabic (12 systems)
- **Package Dimensions:** 205 x 160 x 80 mm
- **Item Weight:** 1.08 Kilograms
- **Package Weight:** 1044 g
- **Included:** 1 Microscope, 1 Line Controller

WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation provided with your purchase or contact your retailer.

For technical support, troubleshooting assistance beyond what is listed in this manual, or inquiries about spare parts, please contact the seller or manufacturer directly. Please have your model number (GMBmth3677249029D) and purchase information ready.