

BEBANG PM1000

BEBANG PM1000 1000X Handheld Digital Microscope User Manual

Explore the Microscopic World with Clarity and Ease

1. INTRODUCTION

The BEBANG PM1000 Handheld Digital Microscope is designed to provide an engaging and educational experience for children and students. With its 200x-1000x magnification range and 2.0-inch screen, it allows for detailed observation of various specimens. This portable device is equipped with a rechargeable battery, making it ideal for both indoor and outdoor exploration. This manual provides essential information for the safe and effective use of your microscope.

2. WHAT'S IN THE BOX

Carefully unpack your BEBANG PM1000 Handheld Digital Microscope and ensure all components are present:

- BEBANG PM1000 Handheld Digital Microscope
- EVA Case for storage and transport
- Color box and Gift box packaging
- Neckstrap for hands-free carrying
- Slides set with case (includes compound microscope lab-grade glass slides)
- Charging cable
- User manual (this document)
- 32G SD Card for photo and video storage

Perfect Gift for Curious Minds



Image: All included accessories and packaging for the BEBANG PM1000 Handheld Digital Microscope.

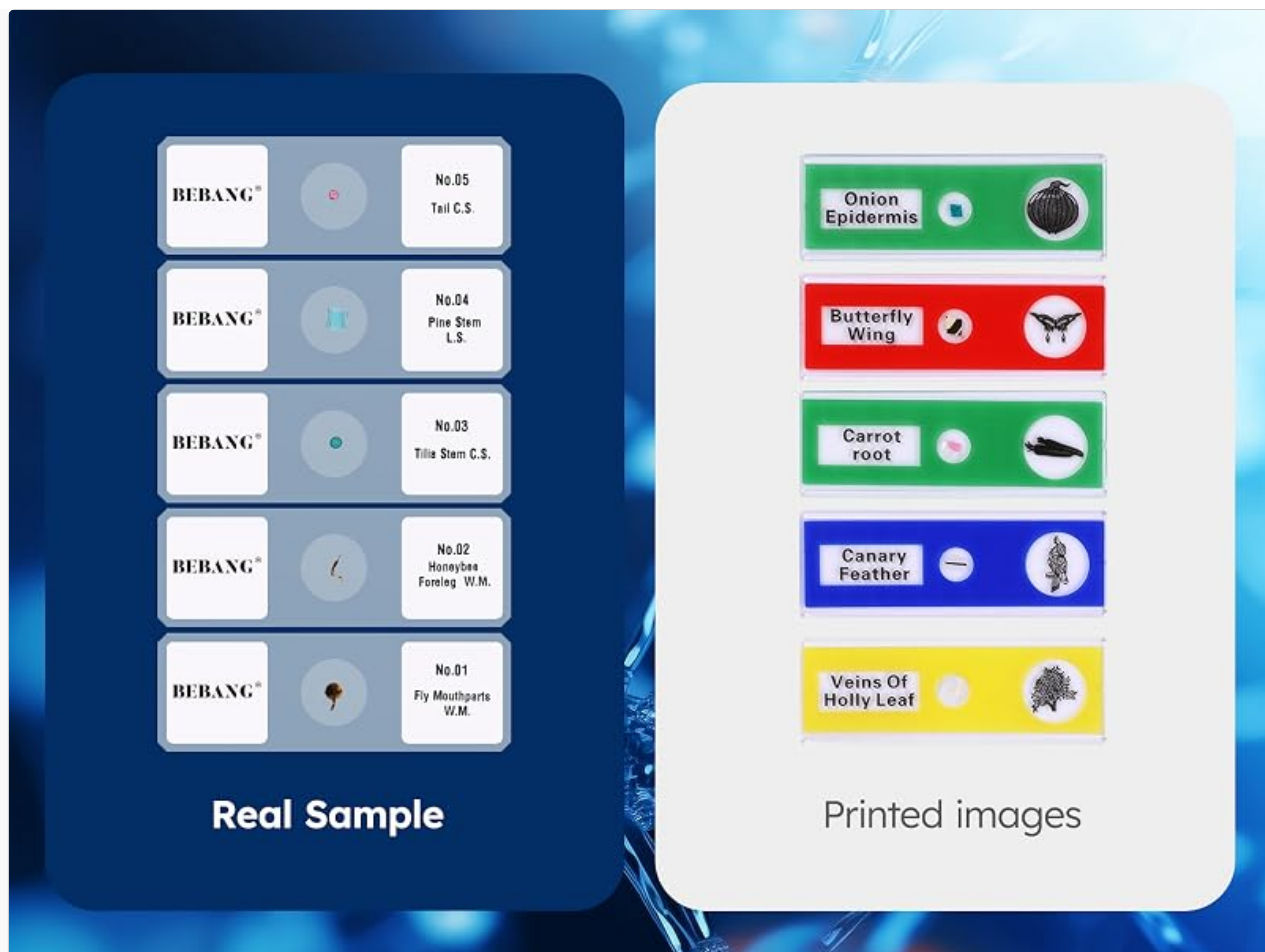


Image: Example of prepared microscope slides included with the kit, featuring real samples.

3. SETUP

3.1 Charging the Battery

The microscope has a built-in rechargeable lithium-ion battery. Before first use, fully charge the device using the provided charging cable. Connect the cable to the microscope's charging port and a USB power source (e.g., laptop, USB adapter, power bank, or car charger). A full charge provides approximately 2.5 hours of continuous use.

**Comfortable
Wide Neck Strap,
Free Your Hands**



Image: Charging options for the BEBANG PM1000 microscope, highlighting its rechargeable battery and PC connectivity.

3.2 Inserting the SD Card

Locate the SD card slot on the side of the microscope. Gently insert the provided 32GB SD card until it clicks into place. This card is essential for saving photos and videos.

3.3 Powering On/Off

To power on the device, press and hold the power button for 3 seconds. To power off, press and hold the power button again for 3 seconds.

4. OPERATING INSTRUCTIONS

4.1 Adjusting Magnification and Focus

The BEBANG PM1000 offers a 200x-1000x magnification range. The focus wheel on the side of the microscope allows for precise adjustments.

1. **Initial Focus Setting:** Rotate the focus wheel counter-clockwise to its end to ensure the focus wheel is homed to its initial position.

2. **Low Magnification Focusing:** Slowly turn the focus wheel clockwise until the image comes into clear view at a lower magnification.
3. **High Magnification Focusing:** Continue turning the focus wheel clockwise until the image enlarges and becomes clearer, achieving the desired high magnification view.

Note: Ensure the button is facing upright when you are looking at the screen for optimal viewing.

200-1000X Magnification

Explore the Microscopic World with Clarity and Ease – Perfect for Budding Scientists



Button Zoom

The world of cells is even more exciting when magnified

Smooth Focus

Large wheel for easy, precise adjustments

200X 400X 600X 1000X

Image: The microscope's controls for zoom and focus, demonstrating the 200x to 1000x magnification capability.



By turning the focusing wheel,
you'll first achieve a low magnification.
Keep Turning to reach a higher level.

Image: Visual guide for adjusting the focus wheel to achieve different magnification levels.

Video: A demonstration of how to adjust the focus wheel on the BEBANG PM1000 microscope to achieve different magnification levels, from low to high, on a teddy bear's fur.

4.2 Taking Photos and Recording Videos

The microscope allows you to capture images and videos of your observations.

Built-In Rechargeable Battery

2.5 Hours of Uninterrupted Exploration & **PC connectable**



Laptop



Usb adapter



Power bank



Car charger



Image: Guide for using the microscope's photography and video functions, including button layout.

1. How to Take Photos:

- Press the Home button, select "Photo" icon, and press the Confirm button (OK) to enter photo mode.
- Press the Confirm button (OK) again to capture a photo.

2. How to Record Videos:

- Press the Home button, use the Up/Down buttons to switch to "Video" icon, and press the Confirm button (OK) to enter video mode.
- Press the Confirm button (OK) to start recording, and press it (OK) again to stop recording.

3. How to View Playback:

- Press the Home button, use the Up/Down buttons to switch to "Playback" mode, and press the Confirm button (OK).
- Use the Up/Down buttons to scroll through different photos and videos.

4K Resolution HD Clarity

See the Smallest Wonders with a 2-Inch Playback Screen

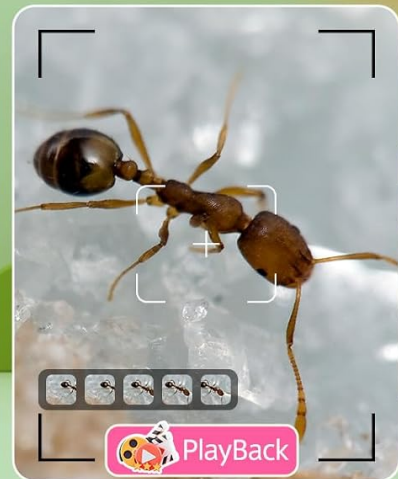
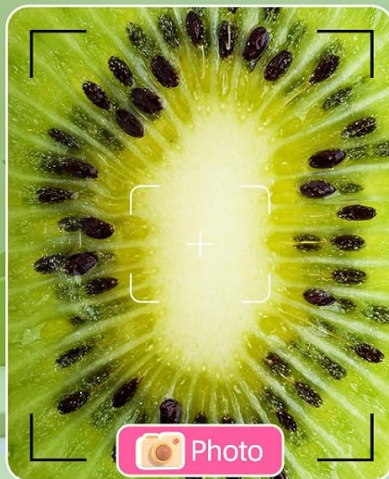


Image: The microscope's 2.0-inch screen showing a magnified view and options for photo, video, and playback.

5. EXPLORING WITH YOUR MICROSCOPE

The BEBANG PM1000 microscope is versatile for observing a wide range of subjects.

5.1 Using Prepared Slides

The included set of lab-grade glass slides provides ready-to-view specimens. Place a slide under the microscope's lens and adjust the focus for clear observation. The widened 1mm slide viewing slots allow for smoother pass-through of slides.

All-In-One & Perfectly Organized

the custom-fit EVA case for your microscope & all accessories



Image: Children engaging in 'Dual Discovery' by observing both prepared slides and natural objects with the microscope.

5.2 Observing Everyday Objects

Remove the cover slot to explore anything, anytime. The microscope can be used to examine various objects around you, such as:

- Coins and currency
- Circuit boards
- Flower buds and plant parts
- Insects
- Blood cells (on prepared slides)
- Textiles and fabrics

Focusing Guide



Note:
make sure the button is facing upright
when you are looking at the screen.

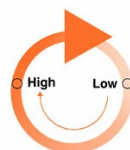
1. Initial focus setting

Rotate the focus wheel counterclockwise to the end to ensure that the focus wheel is homed to its initial position.



2. Low magnification focusing

Slowly turn the focus wheel clockwise until the image comes into clear view at a lower magnification. Then, choose the area of the object you wish to observe.



3. High magnification focusing

Continue turning the focus wheel clockwise until the image enlarges and becomes clearer, achieving the desired high magnification view.

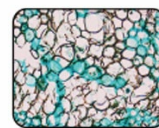


Image: Examples of multiple applicable items that can be viewed and captured with the microscope.

6. MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the microscope's body. For the lens and screen, use a microfiber cloth specifically designed for optics. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store the microscope in its EVA hard case to protect it from dust, scratches, and impacts. Keep it in a cool, dry place away from direct sunlight.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in constant use.
- **Handling:** Handle the microscope with care. Avoid dropping it or exposing it to extreme temperatures or moisture.

7. TROUBLESHOOTING

- **Device won't turn on:** Ensure the battery is charged. Connect the microscope to a power source and try again.
- **Image is blurry:** Adjust the focus wheel slowly until the image becomes clear. Ensure the object is positioned correctly under the lens.
- **Cannot save photos/videos:** Check if the SD card is properly inserted. Ensure the SD card has sufficient free space.
- **Screen is blank or frozen:** Try restarting the device by holding the power button for 3 seconds to turn it off, then turn it back on.
- **Poor image quality:** Ensure the lens is clean and free from dust or smudges. Adjust the lighting if necessary.

8. SPECIFICATIONS

Feature	Specification
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Product Dimensions	3 x 1.8 x 4 inches (7.6 x 4.6 x 10.2 cm)
Item Weight	14.9 ounces (422.4 grams)
Model Number	PM1000
Magnification Maximum	1000x
Screen Size	2.0 inches
Light Source Type	LED
Battery Type	1 Lithium Ion battery (included)
Battery Life	Approx. 2.5 hours continuous use
Material	Plastic
Compatible Devices	Laptop, Smartphone (for viewing captured media)

9. WARRANTY AND SUPPORT

BEBANG products are manufactured with quality and care. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the product packaging or contact customer support for specific warranty details and duration.

For technical support, troubleshooting assistance, or warranty claims, please contact BEBANG customer service through the retailer where the product was purchased or visit the official BEBANG website.