

IWOBAC IW0316-NS-B

IWOBAC Digital Microscope User Manual

Model: IW0316-NS-B

1. INTRODUCTION

The IWOBAC Digital Microscope is a versatile and portable handheld USB microscope designed for exploring the microscopic world. With 50x-1000x zoom magnification and 8 dimmable LEDs, it provides clear and bright images for various applications, including textile inspection, jewelry appraisal, stamp analysis, skin and hair examination, and circuit board repair. It is compatible with a wide range of devices, including iPhone, Android phones, MacBook, and Windows PCs, offering both Wi-Fi and USB connectivity options. This manual provides detailed instructions for setting up, operating, and maintaining your digital microscope.



Image: The IWOBAC Digital Microscope, a compact and portable device, held in a user's hand, highlighting its ergonomic design and ease of use.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1x IWOBAC Digital Microscope
- 1x USB Charging Cable
- 1x User Manual

3. PRODUCT OVERVIEW

Familiarize yourself with the main components of your digital microscope:

- **Focus Knob:** Located on the barrel, this wheel adjusts the magnification from 50x to 1000x.
- **LED Lights:** Eight dimmable LEDs surround the lens, providing illumination for clear observation.
- **Capture Button:** A dedicated button for taking photos and recording videos.
- **USB Port:** For charging and connecting to computers.
- **Power Button:** To turn the device on and off.

Focus knob



Before focusing



After focusing

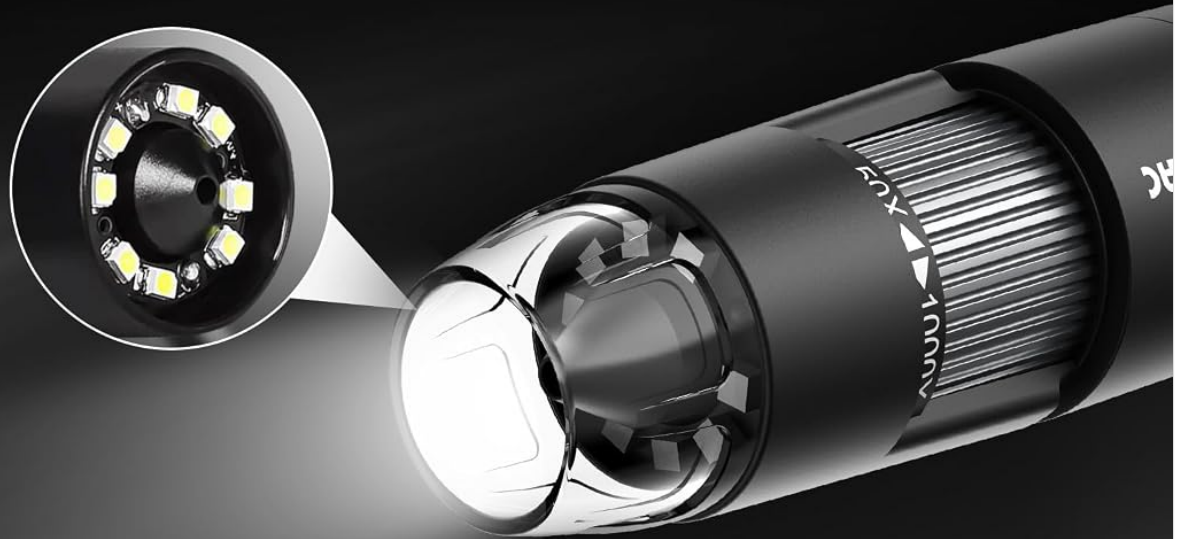
Rotate left and right



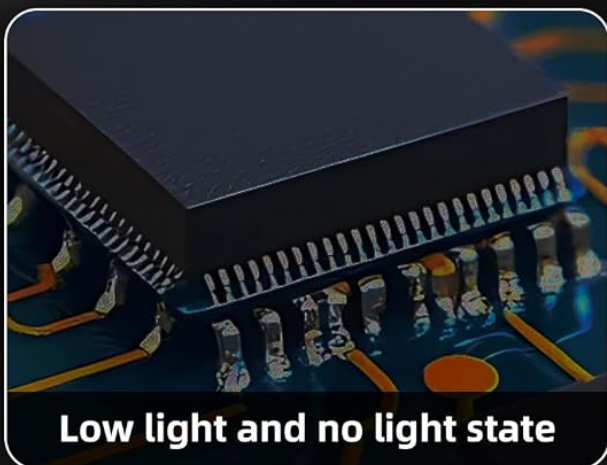
Image: Close-up view of the digital microscope, illustrating the focus knob and its rotation for magnification adjustment.

Brightness adjustable & 8 LEDs

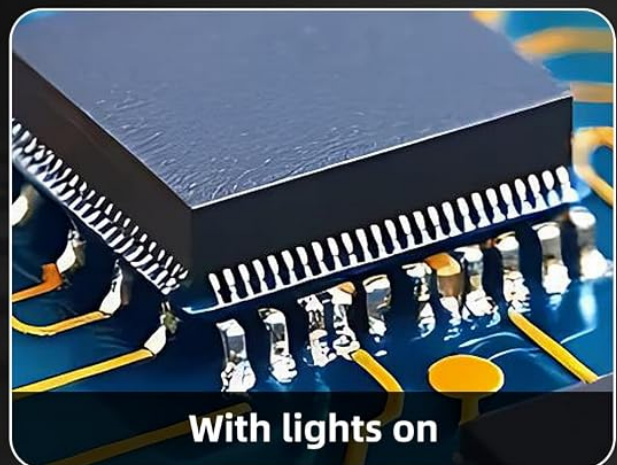
Fully illuminated,
no blind spots for observation



LED -  LED +



Low light and no light state



With lights on

Image: Detailed view of the microscope's lens area, showing the 8 built-in LED lights and their adjustable brightness for optimal illumination.

4. SETUP

Follow these steps to set up your IWOBAC Digital Microscope:

1. **Charge the Microscope:** Connect the microscope to a USB power source using the provided USB cable. A full charge takes approximately one hour and provides up to two hours of use.
2. **Download the App:** For smartphone use, download the recommended application (e.g., "Max-see") from your device's app store (App Store for iOS, Google Play Store for Android).
3. **Power On:** Long-press the power button on the microscope to turn it on.
4. **Connect to Device:**
 - **For Smartphones (Wi-Fi):** Go to your phone's Wi-Fi settings and connect to the microscope's Wi-Fi network (e.g., "Max-see-316-effe"). Once connected, open the downloaded app.
 - **For Computers (USB):** Connect the microscope to your computer via the USB cable. The microscope will be recognized as a webcam. You can use compatible software on Windows (Vista/7/8/10 or later) or MacOS X (11.0 or later) to view the feed.
5. **Remove Protective Cover:** Before observation, gently remove the transparent protective cover from the microscope lens.



Image: A visual guide detailing the six steps to connect the digital microscope to a smartphone, including app download, power on, Wi-Fi connection, and protective cover removal.



Image: An illustration of the digital microscope being used in Computer/PC Mode, showing a family observing a circuit board on a desktop monitor.

5. OPERATING INSTRUCTIONS

Learn how to effectively use your digital microscope for observation and capture:

1. **Positioning the Microscope:** Place the object to be observed flat on a stable surface. For best results, ensure the object is flat and does not touch the lens directly, as this may cause blurry images.
2. **Adjusting Magnification:** Rotate the focus knob on the microscope barrel to adjust the magnification from 50x to 1000x. Turn left and right until the image on your screen is clear and focused.
3. **Adjusting LED Brightness:** Use the LED brightness control (if available, typically a small wheel or button) to adjust the intensity of the 8 built-in LED lights. This helps to illuminate the subject evenly and eliminate blind spots.
4. **Capturing Photos and Videos:** Use the dedicated capture button on the microscope or the corresponding function within the app/software to take still images or record videos. The microscope supports 1080P HD picture quality for smartphones and 720P for computers.

Photos and Videos

HD shooting, record wonderful moments

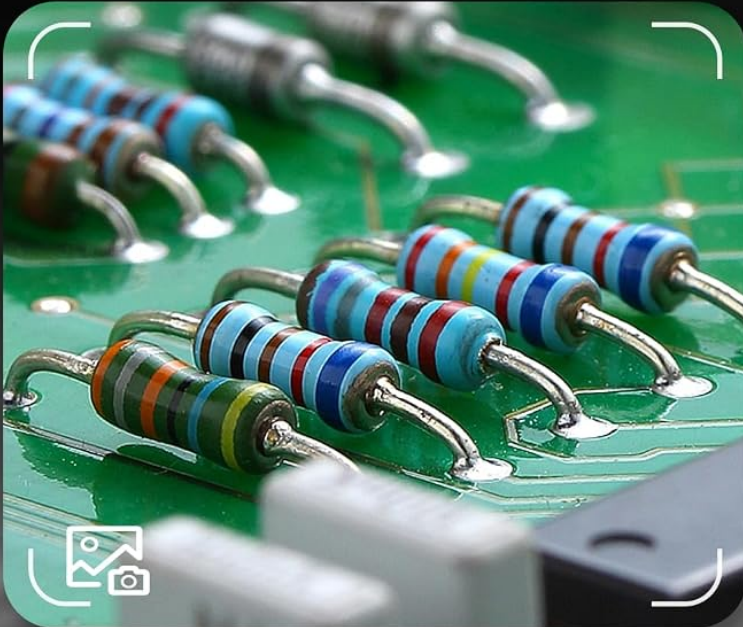


Image: The digital microscope in action, demonstrating its ability to capture high-definition photos and videos of intricate electronic components.

50-1000× fixed focus zoom



50X



1000x



Image: A visual comparison of 50x and 1000x magnification levels on a coin, illustrating the fixed focus zoom capability of the microscope.

6. MAINTENANCE

Proper care ensures the longevity and performance of your microscope:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the microscope. For the lens, use a specialized lens cleaning cloth and solution to avoid scratches. Do not use abrasive cleaners or solvents.
- **Storage:** Store the microscope in a cool, dry place away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case when not in use to prevent dust accumulation and physical damage.
- **Battery Care:** To maintain battery health, avoid fully discharging the battery frequently. Charge it regularly, even if not in use for extended periods.

7. TROUBLESHOOTING

If you encounter issues with your IWOBAC Digital Microscope, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Cannot connect to Wi-Fi / App	Microscope not powered on; Incorrect Wi-Fi network selected; App not open or updated; Interference.	Ensure microscope is on. Verify you are connected to the microscope's specific Wi-Fi network. Close and reopen the app. Check for app updates. Try restarting both the microscope and your device.
Blurry image	Incorrect focus; Object too close/far; Lens dirty; Protective cover not removed.	Rotate the focus knob until the image is clear. Adjust the distance between the microscope and the object. Clean the lens. Ensure the protective cover is removed.
LEDs not working or dim	LED brightness set too low; Battery low.	Adjust the LED brightness control. Charge the microscope fully.

Problem	Possible Cause	Solution
Microscope not charging	Faulty USB cable/port; Loose charging port.	Try a different USB cable and power adapter. Ensure the charging port is securely connected. If the port is loose, contact customer support.
No image on PC via USB	Incorrect software selected; Driver issue.	Ensure your PC's camera software is set to use the microscope as the input device. Try updating USB drivers or using a different USB port.

8. SPECIFICATIONS

Feature	Detail
Model Number	IW0316-NS-B
Magnification	50x-1000x
Image Quality (Smartphone)	1080P HD
Image Quality (Computer)	720P
LED Lights	8 Dimmable LEDs
Connectivity	Wi-Fi, USB
Compatible Operating Systems	Android 6.0+, iOS 9.0+, Windows Vista/7/8/10+, MacOS X 11.0+
Battery Life	Approx. 2 hours (after 1 hour charge)
Product Dimensions	5.04 x 1.18 x 1.18 inches (1.18"L x 1.18"W x 5.04"H)
Item Weight	3.84 ounces
Material	Plastic
Color	Black

9. WARRANTY AND SUPPORT

IWOBAC is committed to providing high-quality products and customer satisfaction.

- **Warranty:** For 24 months after the date of purchase, IWOBAC addresses all quality-related issues with a replacement.
- **Customer Support:** We offer 24-hour professional after-sales service. If you have any questions, concerns, or require assistance with your product, please contact our support team. Refer to the product packaging or the official IWOBAC website for specific contact details.

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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