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› Jusion 40-1000x USB Digital Microscope User Manual

## Jusion Jusion-1000x

# Jusion 40-1000x USB Digital Microscope User Manual

Brand: Jusion | Model: Jusion-1000x

## 1. INTRODUCTION

The Jusion 40-1000x USB Digital Microscope is a versatile and portable magnification tool designed for students, engineers, inventors, and anyone interested in exploring the micro world. It allows users to magnify objects up to 1000 times, providing detailed views of various materials and surfaces. Equipped with 8 adjustable LED lights, this digital microscope ensures clear and bright illumination for optimal viewing and capture.

This device connects to compatible computers and Android smartphones, enabling users to record observations, capture screenshots, and record videos of the magnified world. The accompanying software also offers measurement functions for detailed analysis.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Jusion USB Digital Microscope Unit
- Metal Stand
- Type C Adapter
- CD Driver (may contain software and calibration ruler)
- Calibration Ruler



**Metal Stand**



**Type C Adapter**



**8pcs LEDs**



**CD Driver and Ruler**

*Image: Contents of the Jusion Digital Microscope package, including the microscope, metal stand, Type C adapter, and CD with driver and ruler.*

### **3. SYSTEM REQUIREMENTS AND COMPATIBILITY**

The Jusion USB Digital Microscope is compatible with a range of operating systems and devices:

- **Operating Systems:** Mac, Windows XP/Vista/7/8/10/11, Linux, Chrome OS.
- **Android Smartphones:** Supports Android smartphones with OTG (On-The-Go) function. To check if your Android device supports OTG, you can download a free "USB OTG Checker" app from the Google Play Store.
- **Important Note:** This microscope is **NOT** compatible with iPhone/iPad devices.



Image: Visual representation of compatible operating systems and devices, including Linux, Android, Windows, and Mac, highlighting the 1000x magnification capability.

## 4. SETUP INSTRUCTIONS

### 1. Software Installation:

- **For Windows Users:** Install the driver and software (e.g., AMcap) from the provided CD. If your computer does not have a CD drive, please contact Jusion customer service for a download link to the latest drivers and software. Alternatively, for Windows 10, the built-in Camera app may work directly.
- **For Mac Users:** You can typically use the Photo Booth application directly. Free software like "Quick Camera" is also available.
- **For Android Users:** Scan the QR code provided in the manual or search for "Otg View" (free, no ads) on the Google Play Store to install the necessary application.  
Download Otg View App (Google Play Store)  
Download CAMERA-AN97.apk (Version 2.3)  
Download CAMERA-AN97.apk (Version 2.2)

### 2. Connect the Microscope:

- For computers, plug the USB 2.0 connector into an available USB port.

- For Android smartphones, use the provided OTG adapter to connect the microscope to your phone's charging port.

3. **Positioning:** Place the microscope on the metal stand. The stand allows for 180-degree vertical adjustment and 360-degree rotation for optimal positioning. Secure the microscope in place using the lock knob on the stand.



*Image: The Jiusion digital microscope connected to a computer monitor and a smartphone, demonstrating typical setup configurations.*

## 5. OPERATING INSTRUCTIONS

1. **Power On:** Once connected to a compatible device, the microscope's 8 LED lights will illuminate, indicating it is powered on and ready for use.
2. **Adjusting Focus and Magnification:**
  - Use the **Focus Wheel** on the microscope body to adjust the image clarity and magnification level (40x to 1000x stepless magnification).
  - The transparent plastic safety cap at the front of the microscope may need to be removed if attempting to achieve the highest magnification levels.
3. **Adjusting LED Brightness:** Use the **LED Dimming Wire Control** located on the USB cable to adjust the brightness of the 8 built-in LED lights.

#### 4. Capturing Images and Videos:

- Use the **Snap Button** on the microscope body to quickly capture a still image. Note that pressing this button may cause slight movement, affecting image sharpness. It is often recommended to use the software's screenshot function for better stability.
- Utilize the installed software (e.g., AMcap, Photo Booth, Otg View) to record micro-world observations, capture screenshots, and record videos.

5. **Measurement Function (Windows Software):** Some Windows software versions may include a measurement function, allowing you to measure microscopic details. Refer to your specific software's guide for instructions.



Image: Diagram illustrating the key features of the microscope, including the snap button, focus wheel, 8 LED lights, and LED dimming control.



Image: Examples of objects that can be viewed with the microscope, such as PCBs, sweater fibers, insects, leaves, and coins, demonstrating its diverse applications.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your Jusion USB Digital Microscope, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the lens and microscope body with a soft, dry, lint-free cloth. Avoid using abrasive cleaners or solvents that could damage the surfaces.
- **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.
- **Handling:** Handle the microscope with care. Avoid dropping it or subjecting it to strong impacts.

## 7. TROUBLESHOOTING

If you encounter issues with your Jusion USB Digital Microscope, please refer to the following common troubleshooting tips:

Problem	Possible Cause / Solution
Microscope not recognized by computer/smartphone.	<p>Ensure the USB cable is securely connected to both the microscope and the device.</p> <p>Verify that the correct drivers and software are installed. Reinstall if necessary.</p> <p>For Android, confirm your smartphone supports OTG function and the OTG adapter is correctly used.</p> <p>Try connecting to a different USB port or a different device to rule out port or device issues.</p>
Image is blurry or out of focus.	<p>Rotate the Focus Wheel on the microscope body until the image becomes clear.</p> <p>Adjust the distance between the microscope lens and the object being viewed.</p> <p>Ensure the transparent plastic safety cap is removed if attempting high magnification.</p>
LED lights are not working or are too dim/bright.	<p>Check the LED Dimming Wire Control on the USB cable and adjust it.</p> <p>Ensure the microscope is properly powered via the USB connection.</p>
Cannot capture images or record videos.	<p>Ensure the software is running and correctly configured to recognize the microscope.</p> <p>Use the software's capture function rather than the physical snap button if stability is an issue.</p> <p>Check storage space on your device.</p>

## 8. SPECIFICATIONS

Feature	Detail
Brand	Jiusion
Model Name	Jiusion-1000x (Jiusion-01)
Magnification	40x to 1000x (Stepless)
Light Source	8 LED Lights (Adjustable Brightness)
Compatible Devices	Personal Computer (Mac, Windows XP/Vista/7/8/10/11, Linux, Chrome OS), Android Smartphone (with OTG function)
Material	PLA (Polylactic Acid), PC (Polycarbonate), PE (Polyethylene), Metal
Color	Black
Voltage	5 Volts
Item Weight	7 ounces (0.44 Pounds)
Package Dimensions	5.43 x 5.12 x 1.93 inches

## 9. WARRANTY AND SUPPORT

Jiusion is committed to providing high-quality products and customer satisfaction. For any questions, technical support, or warranty inquiries regarding your Jiusion USB Digital Microscope, please contact us directly:

- **Manufacturer:** Jiusion
- **Customer Service Email:** [jiusion@outlook.com](mailto:jiusion@outlook.com)
- **EU Representative:** APEX CE SPECIALISTS LIMITED, UNIT 3D NORTH POINT HOUSE, NORTH POINT BUSINESS PARK, NEW MALLOW ROAD, CORK T23 AT2P, IRELAND

Please retain your proof of purchase for warranty claims.