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› 800X HD Handheld Digital Microscope User Manual

Evil eye 400-800x microscope

800X HD Handheld Digital Microscope User Manual

Brand: Evil eye | Model: 400-800x microscope

1. INTRODUCTION

Thank you for choosing the Evil eye 800X HD Handheld Digital Microscope. This device is designed to provide a clear and detailed view of the microscopic world, suitable for both educational purposes and professional applications. Its compact and ergonomic design, coupled with a high-definition LCD screen, makes observation comfortable and accessible. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your new microscope.

2. PACKAGE CONTENTS

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

- Microscope *1
- Cleaning Cloth *1
- User Manual *1
- USB Data Cable *1
- Sample Slides *5
- 32G SD Card *1

Application Scenarios



Image: All components included in the microscope package.

3. PRODUCT OVERVIEW

The 800X HD Handheld Digital Microscope features a 2-inch LCD HD screen with a 75-degree adjustable viewing angle for comfortable use. It offers 400X-800X magnification, supported by high-quality multi-coated lenses and adjustable LED lights for clear observation.

3.1 Key Features

- **2-inch LCD HD Screen:** Provides a clear display of magnified images.
- **400X-800X Magnification:** Allows for detailed examination of various objects.
- **Adjustable 6 LED Lights:** Ensures optimal illumination for different subjects.
- **Portable & Rechargeable Design:** Lightweight and equipped with a built-in lithium battery for on-the-go use.
- **Photo & Video Capture:** Easily record observations with a single click.
- **PC Connectivity:** View live feed on a larger screen via USB connection.

3.2 Product Components



Image: Front view of the microscope with its main components.



Image: Illustration of the multilayer HD optical coating lenses for improved clarity.

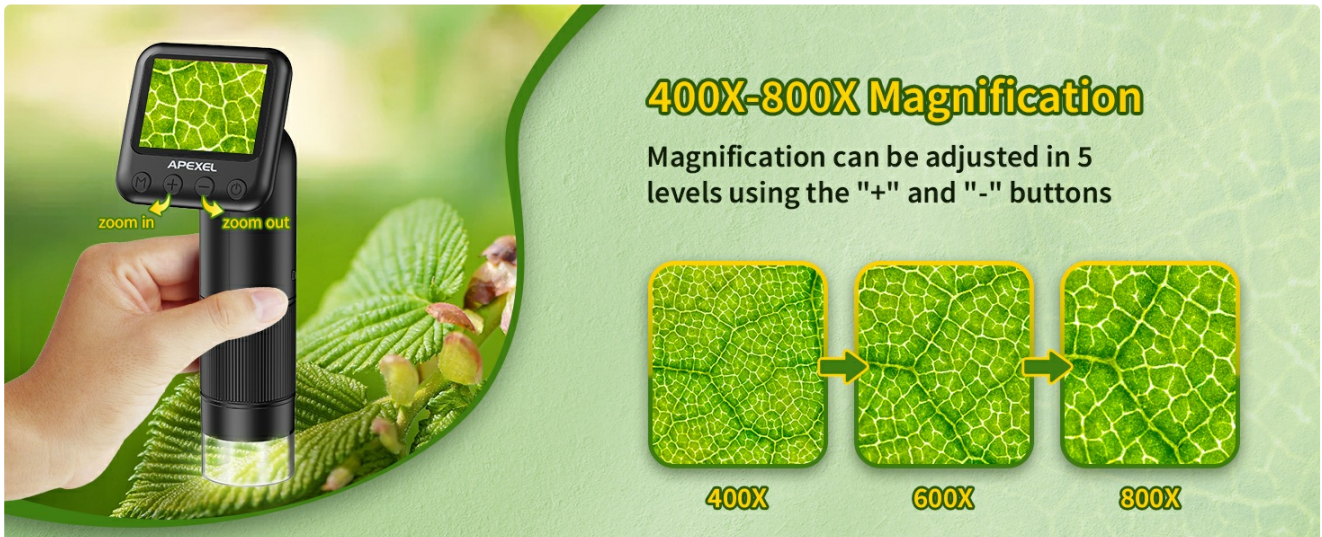


Image: The microscope's rechargeable battery and USB connectivity for PC viewing.

3.3 Product Video Overview

Your browser does not support the video tag.

Video: An official product video demonstrating the handheld digital microscope's features, including magnification, screen rotation, lens system, and ability to capture images and videos of microscopic subjects like ants and tissue slices. This video highlights the ease of use and various functionalities.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the microscope. Connect the provided USB Data Cable to the Type-C port on the microscope and to a USB power adapter (not included) or a computer USB port. The charging indicator will show the charging status.

4.2 Inserting the SD Card

Locate the SD card slot on the microscope. Insert the included 32GB SD card into the slot until it clicks into place. Ensure the card is inserted in the correct orientation to avoid damage.

4.3 Powering On/Off

To power on the microscope, press and hold the power button (usually marked with a power symbol) until the LCD screen illuminates. To power off, press and hold the power button again until the screen turns off.

5. OPERATING INSTRUCTIONS

5.1 Magnification Adjustment

The microscope offers 400X-800X magnification. Use the '+' and '-' buttons located below the screen to adjust the magnification level. Press '+' to zoom in and '-' to zoom out.



Image: Magnification adjustment using the '+' and '-' buttons.

5.2 Focus Adjustment

To achieve a clear image, rotate the sensitive anti-slip focus adjustment ring located on the barrel of the microscope. Turn it slowly until the subject appears sharp on the screen. The microscope's 75-degree rotatable screen also aids in finding a comfortable viewing angle.



Image: Focus adjustment ring and screen rotation capability.

5.3 LED Light Adjustment

The microscope is equipped with 6 adjustable LED lights to illuminate your subject. To adjust the brightness, long press the '+' button to increase brightness or the '-' button to decrease brightness. There are two levels of brightness available.



Image: Adjusting the LED lights for optimal viewing.

5.4 Taking Photos and Videos

To capture an image or record a video, simply press the dedicated button (often marked with a camera or record icon). The microscope allows for one-click photo and video capture, storing files directly onto the inserted 32GB SD card.



Rechargeable Battery

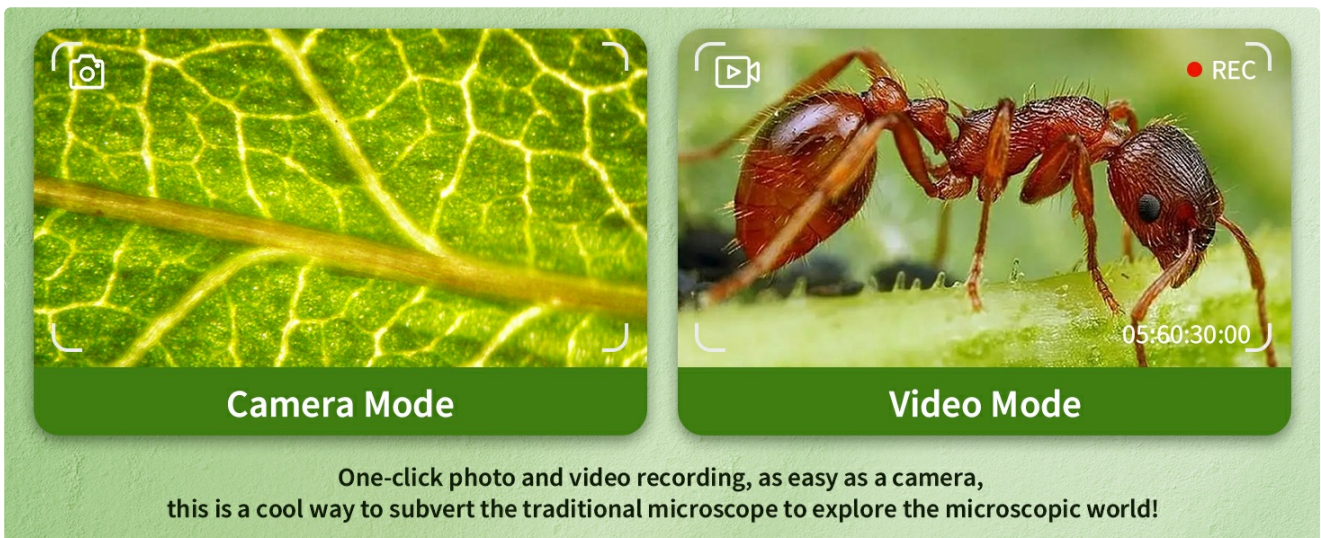
Built-in 800mAh lithium battery, can be used for 3 hours after each charge


-  800mAh Lithium Battery
-  3H Focusing Time
-  Type-C Fast Charging

Image: Camera and video recording functionality.


5.5 Connecting to PC

For a larger view or to transfer files, connect the microscope to your PC using the provided USB cable. The microscope can function as a webcam, allowing you to view the live feed on your computer screen. This is ideal for detailed analysis or sharing observations.





Camera Mode



Video Mode

One-click photo and video recording, as easy as a camera, this is a cool way to subvert the traditional microscope to explore the microscopic world!

Image: USB connection to PC for real-time viewing.

6. MAINTENANCE

6.1 Cleaning

Use the provided cleaning cloth to gently wipe the lens and screen. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth, not directly to the lens. Avoid using abrasive materials or harsh chemicals.

6.2 Storage

Store the microscope in a cool, dry place away from direct sunlight and extreme temperatures. Ensure it is protected from dust and moisture when not in use. Keeping it in its original packaging or a protective case is recommended.

6.3 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Charge the microscope regularly, even if not in constant use. If storing for an extended period, charge the battery to about 50% before storage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Microscope does not turn on.	Low battery; Power button not pressed correctly.	Charge the microscope fully. Press and hold the power button for a few seconds.
Image is blurry or out of focus.	Improper focus adjustment; Subject too far/close.	Rotate the focus adjustment ring until the image is clear. Ensure the microscope is at the correct distance from the subject.
Screen resolution appears low.	Native screen resolution; Digital magnification limits.	The 2-inch LCD screen is designed for portable viewing. For higher resolution and larger display, connect the microscope to a PC via USB.
Cannot connect to PC.	Incorrect USB cable; Driver issue; Port issue.	Ensure you are using the provided USB cable. Try a different USB port on your computer. Check if any specific drivers are needed (usually plug-and-play).
LED lights are dim or not working.	Low battery; Brightness setting too low.	Charge the microscope. Long press the '+' button to increase LED brightness.
Cannot save photos/videos.	SD card full; SD card not inserted correctly; SD card corrupted.	Check SD card storage. Reinsert the SD card. Format the SD card (this will erase all data). Try a different SD card.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	2.3 x 2.3 x 6.5 inches
Item Weight	4.8 ounces (135 Grams)
Model Number	400-800x microscope
Batteries	1 Lithium Polymer battery (included)
Light Source Type	LED
Material	ABS acrylic
Color	Black

Feature	Detail
Real Angle of View	75 Degrees
Magnification Maximum	800.00X
Voltage	5 Volts
Manufacturer	Evil eye

9. WARRANTY AND SUPPORT

For any product-related inquiries, technical support, or warranty claims, please contact the manufacturer, Evil eye, through the retailer's customer service portal or the contact information provided with your purchase documentation. Please retain your proof of purchase for warranty validation.