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› TOMLOV P50 Digital Microscope Handheld Instruction Manual

TOMLOV P50

TOMLOV P50 Digital Microscope Handheld Instruction Manual

INTRODUCTION

The TOMLOV P50 Digital Microscope is a portable handheld device designed for detailed inspection and observation of various small objects. It features a 2.4-inch IPS screen, adjustable focus, and integrated LED lighting, making it suitable for examining coins, stamps, jewelry, fabrics, and more. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your P50 microscope.



The TOMLOV P50 Digital Microscope, a compact device for detailed observation.

WHAT'S IN THE BOX

Verify that all items are present in the package:

- 1 x TOMLOV P50 Digital Microscope
- 1 x USB Cable
- 1 x EVA case
- 1 x Lanyard
- 1 x User Manual (this document)



SETUP

1. Charging the Device

Before first use, fully charge the TOMLOV P50 microscope using the provided USB cable. Connect the USB cable to the microscope's charging port and a standard USB power adapter (not included) or a computer's USB port. The charging indicator light will show the charging status.



The TOMLOV P50 microscope charging via USB, indicating its long battery life.

2. Inserting a Micro SD Card (Optional for Video Recording)

To record videos, a Micro SD card (not included) is required. Locate the Micro SD card slot on the side of the microscope and gently insert the card until it clicks into place. Ensure the card is inserted in the correct orientation.

3. Initial Power On

Press and hold the power button to turn on the microscope. The 2.4-inch IPS screen will illuminate, displaying the live view.

4. Connecting to PC/Mac

The TOMLOV P50 can be connected to a Windows PC or macOS computer for larger screen viewing. Use the provided USB cable to connect the microscope to your computer. Once connected, select the 'PC Camera' mode on the microscope's screen. Open your computer's camera application to view the microscope's feed.

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Video demonstrating how to connect the TOMLOV P50 Portable Microscope to a PC or Mac computer for larger screen viewing.

Connect to PC & Mac

Inspect details on a larger screen



Windows & macOS Compatible

The TOMLOV P50 microscope connected to a laptop for real-time viewing on a larger display.

OPERATING INSTRUCTIONS

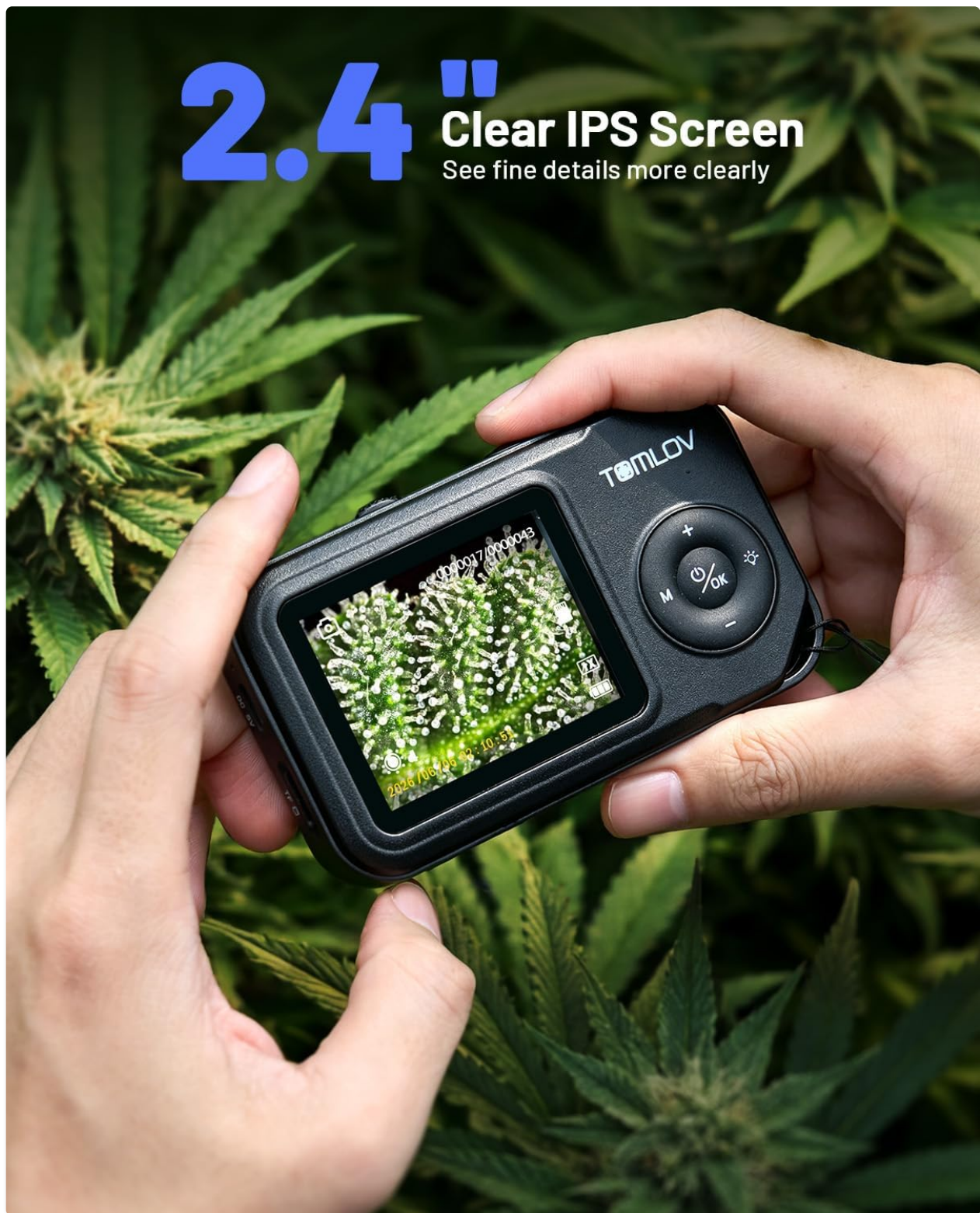
1. Power On/Off

To power on, press and hold the power button until the screen lights up. To power off, press and hold the power button again until the screen turns off.

2. Adjusting Focus

Use the focus wheel located on the side of the microscope to adjust the image clarity. Rotate the wheel until the object on the screen appears sharp and in focus. Move the microscope closer or further from the object as

needed to achieve the desired magnification and focus.



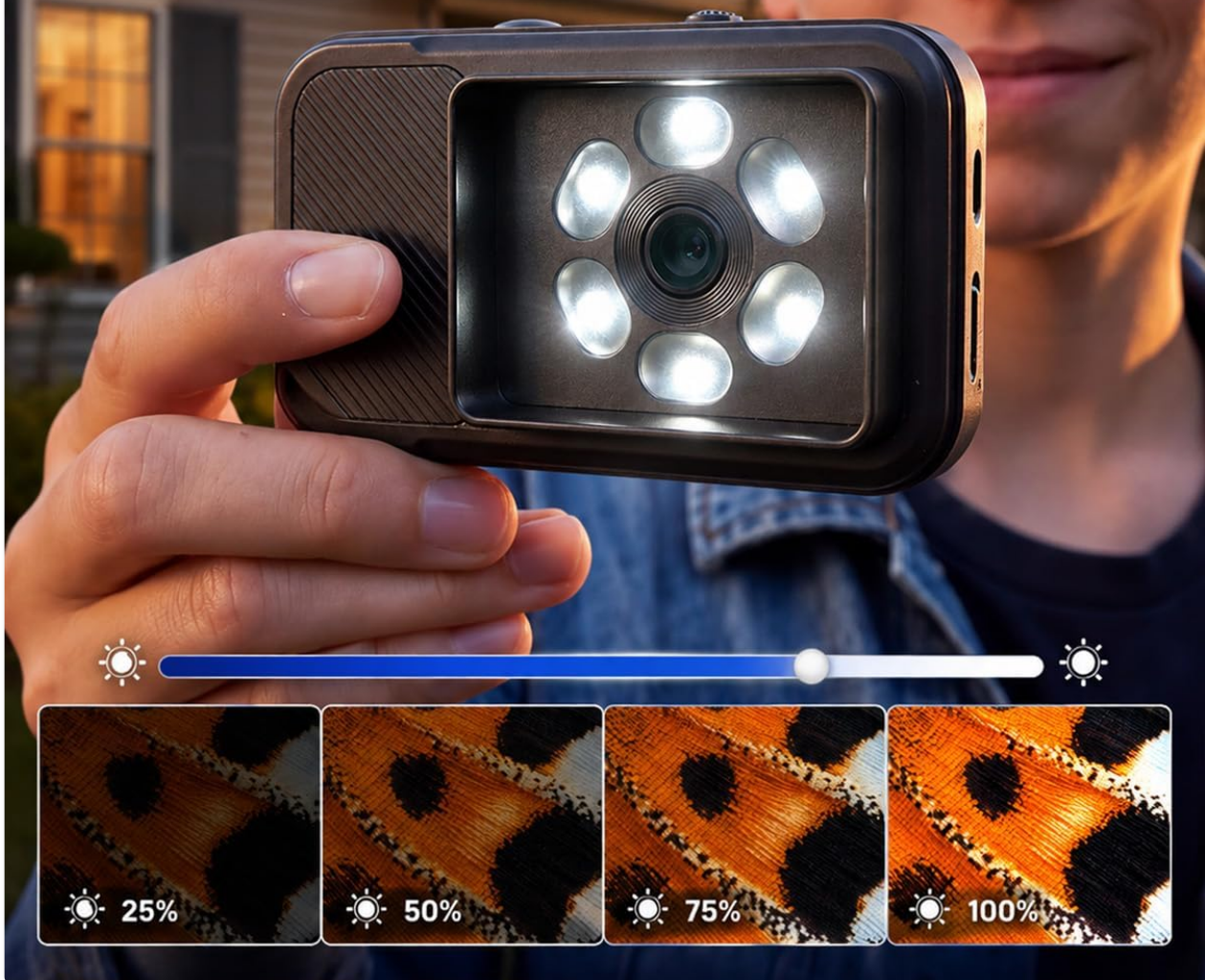
Adjusting the focus wheel for clear viewing of small details.

3. Adjusting LED Lighting

The microscope features 6 built-in LEDs with 4 brightness levels. Use the light adjustment button (often marked with a sun icon) to cycle through the brightness settings to optimize illumination for your subject.

Adjustable LED Lighting

6 LED lights with 4 brightness levels



Demonstration of the adjustable LED lighting on the TOMLOV P50 microscope.

4. Taking Photos and Recording Videos

To take a photo, press the dedicated photo button (usually a camera icon). To record a video, first ensure a Micro SD card is inserted. Then, switch to video mode (often by pressing the 'M' button) and press the record button. Press it again to stop recording.

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Video tutorial on how to use the TOMLOV P50 Pocket Microscope, including taking photos and recording videos.

Your browser does not support the video tag.



MAINTENANCE

1. Cleaning

Gently wipe the microscope's body with a soft, dry cloth. For the lens and screen, use a specialized lens cleaning cloth and solution to avoid scratches. Do not use abrasive cleaners or solvents.

2. Storage

When not in use, store the microscope in its EVA case in a cool, dry place away from direct sunlight and extreme temperatures. This protects the device from dust and physical damage.

3. Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in constant use, to maintain battery health.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on	Low battery; Device malfunction	Charge the device fully. If problem persists, contact support.
Image is blurry	Incorrect focus; Dirty lens	Adjust the focus wheel. Clean the lens with a soft cloth.
Cannot connect to PC/Mac	Incorrect mode selected; Faulty USB cable/port; Driver issue	Ensure 'PC Camera' mode is selected. Try a different USB port or cable. Check computer's device manager for driver issues.
Cannot record video	No Micro SD card; SD card full/corrupted	Insert a Micro SD card. Format or replace the SD card.

SPECIFICATIONS

Feature	Detail
Model Name	P50
Light Source Type	LED
Material	Plastic
Color	Black

Feature	Detail
Product Dimensions (L x W x H)	4.1" x 2.4" x 1"
Real Angle of View	178 Degrees
Magnification Maximum	4x (Digital Zoom)
Voltage	5 Volts
Power Source	Battery Powered
Compatible Devices	Laptop, Personal Computer (Windows/macOS)
Screen Size	2.4" IPS
Photo Resolution	3MP
Video Resolution	1080P
Built-in Storage	Up to 200 photos
Working Time	Up to 120 minutes

WARRANTY INFORMATION

The TOMLOV P50 Digital Microscope comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance. Please retain your proof of purchase for warranty claims.

SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact TOMLOV customer support. You can find more information and contact details on the official TOMLOV website or through their Amazon store page.

TOMLOV Store: [Visit the TOMLOV Store on Amazon](#)