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> [Temodu 4K 2.0-inch Screen Digital Microscope Model 382 User Manual](#)

Temodu 382

Temodu 4K 2.0-inch Screen Digital Microscope Model 382 User Manual

Model: 382

1. INTRODUCTION

Thank you for choosing the Temodu 4K 2.0-inch Screen Digital Microscope. This device is designed for exploring the microscopic world with ease and clarity. Featuring a 2-inch high-resolution screen and up to 1000X magnification, it is suitable for observing various specimens such as textiles, jewelry, stamps, skin, hair, coins, and plant trichomes. This manual provides detailed instructions for proper setup, operation, and maintenance to ensure optimal performance.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x Temodu Digital Microscope
- 1 x USB Type-C Charging Cable (adapter not included)
- 1 x Wide Neck Strap
- 1 x User Manual

Package Contents

- 1* Microscope
- 1* Type-C Charging Cable
- 1* Wide Neck Strap
- 1* User Manual



Figure 2.1: Package Contents

3. PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your digital microscope.



Figure 3.1: Microscope Components and Controls

- **2.0-inch IPS Screen:** Displays real-time images and videos.
- **Up/Down Buttons:** Navigate menus or adjust settings.
- **Photo Button:** Captures still images.
- **TF Card Slot:** For inserting a MicroSD card (not included) to expand storage for videos.
- **Strap Hole:** Attachment point for the neck strap.
- **Focus Tube:** Adjusts the focus for clear images.
- **LED Light:** Provides illumination for specimens.
- **Light Adjustment:** Controls the brightness of the LED lights.
- **Playback Button:** Reviews captured photos and videos.
- **Reset Hole:** For factory reset (use a thin pin).
- **Charging Port (Type-C):** Connects for charging and computer connection.
- **Charging Indicator Light:** Shows charging status.
- **Power Button:** Turns the device on/off.
- **Tripod Hole:** For mounting on a tripod (not included).

4. SETUP

4.1 Initial Charging

Before first use, fully charge the microscope. Connect the provided USB Type-C cable to the charging port on the device and the other end to a USB power source (e.g., computer, wall adapter). The charging indicator light will illuminate during charging and turn off when fully charged. A full charge takes approximately 2 hours.



Figure 4.1: Type-C Charging Port

4.2 Inserting a TF Memory Card (Optional)

The microscope has built-in memory for approximately 200 photos. To record videos or store more photos, a TF (MicroSD) memory card (not included) is required. Insert the TF card into the card slot with the gold contacts facing down until it clicks into place.



Figure 4.2: Inserting a TF Memory Card

4.3 Attaching the Neck Strap (Optional)

Attach the wide neck strap to the strap hole on the microscope to prevent accidental drops and for convenient carrying.



Figure 4.3: Attaching the Portable Lanyard

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the Power Button to turn the microscope on or off.

5.2 Device Observation Mode

Hold the microscope over the object you wish to observe. The live view will appear on the 2-inch IPS screen.



Figure 5.1: Observing a Ladybug

5.3 Adjusting Focus and Magnification

Rotate the focus tube to achieve a clear image. The microscope offers a fixed ultra-macro focus with a maximum magnification of 1000X and 4x digital zoom. Adjust the distance between the microscope lens and the specimen to find the optimal focus point.



Figure 5.2: Magnification Levels and Focus Adjustment

5.4 Adjusting LED Illumination

The microscope features 8 built-in LED lights. Press the Light Adjustment button to cycle through different brightness levels (e.g., 50%, 70%, 100%) to ensure proper illumination of your specimen, even in dark environments.



Figure 5.3: Adjustable LED Lights

5.5 Capturing Photos and Videos

In observation mode, press the Photo Button to take a still picture. To record video, ensure a TF memory card is inserted. The built-in memory can store approximately 200 photos, but videos require a TF card.

Support PC real-time imaging

Supported systems: Windows Vista/XP/7/8/10/11,
MacOS X11.0 or higher



Figure 5.4: Capturing Observations

5.6 Reviewing Media

Press the Playback Button to enter review mode. Use the Up/Down buttons to navigate through your captured photos and videos. Photos stored in the built-in memory can only be deleted, not downloaded directly from the device without a computer connection.

6. CONNECTING TO A COMPUTER

The microscope supports real-time imaging and data transfer when connected to a computer.

6.1 Computer Observation Mode

Connect the microscope to your computer using the provided Type-C data cable. Open the computer's built-in camera software (e.g., Camera app on Windows, Photo Booth on Mac). The microscope's display will appear on your computer screen, offering a larger and more intuitive viewing experience. In this mode, the physical buttons on the microscope are not active.



Figure 6.1: Computer Observation Mode

Supported Operating Systems:

- Windows 10, 11 (and older versions like Vista/XP/7/8)
- Mac OS X 11.0 and later

6.2 Transferring Files

When connected to a computer, you can access the contents of the inserted TF memory card to transfer photos and videos. Files stored in the microscope's internal memory cannot be directly downloaded; they must be viewed on the device or deleted.

7. MAINTENANCE

7.1 Cleaning the Lens and Screen

Use a soft, lint-free cloth to gently wipe the lens and screen. For stubborn smudges, slightly dampen the cloth with lens cleaning solution. Avoid using abrasive materials or harsh chemicals.

7.2 Storage

Store the microscope in a cool, dry place away from direct sunlight and extreme temperatures. Keep it protected from dust and moisture when not in use.

7.3 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Recharge the device regularly, even if not in use for extended periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Low battery or device malfunction.	Charge the device for at least 30 minutes. If it still doesn't turn on, try pressing the reset button with a thin pin.
Image is blurry.	Improper focus or dirty lens.	Rotate the focus tube until the image is clear. Clean the lens with a soft cloth.

Problem	Possible Cause	Solution
Cannot record video.	No TF memory card inserted or card is full/corrupted.	Insert a compatible TF memory card. Check if the card has sufficient space or try formatting it (this will erase all data).
No image on computer screen.	Incorrect cable connection or software issue.	Ensure the Type-C cable is securely connected. Try a different USB port. Verify your computer's camera software is open and selected the correct input device.
Buttons not working in computer mode.	This is normal behavior.	When connected to a computer, control functions are typically managed through the computer's software.

9. SPECIFICATIONS

Feature	Detail
Model Number	382
Screen	2.0-inch IPS Color Screen
Magnification	Up to 1000X (Fixed Ultra-Macro, 4x Digital Zoom)
Light Source	8 LED lights, adjustable brightness
Camera Resolution	1080P HD (2 Megapixels)
Internal Storage	Approx. 200 photos
External Storage	TF Memory Card (not included, required for video)
Battery	1 Lithium Polymer battery (included)
Charging Time	Approx. 2 hours
Power Source	Battery Powered
Connectivity	USB Type-C for charging and PC connection
Material	Glass (lens)
Color	Yellow
Item Weight	7.8 ounces
Package Dimensions	5.2 x 4.41 x 2.32 inches

10. SUPPORT

If you encounter any issues or have questions regarding your Temodu Digital Microscope, please contact our technical support team. We are committed to providing assistance and ensuring your satisfaction with our products.

Contact information can typically be found on the product packaging or the official Temodu website.

