

Leipan MS1C-A

Leipan MS1 Digital Microscope User Manual

Model: MS1C-A

1. INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Leipan MS1 Digital Microscope. Please read this manual thoroughly before using the device to ensure optimal performance and longevity. The Leipan MS1 is designed for detailed observation and analysis, featuring a 7-inch LCD screen, up to 1500X magnification, and versatile connectivity options.

2. PACKAGE CONTENTS

Upon unboxing, verify that all the following items are included in your package:

- MS1 Microscope Unit (with 7-inch LCD screen)
- Aluminum Alloy Base with two flexible LED lights
- Aluminum Alloy Stand
- HDMI Cable
- Wireless Remote Control
- Straightedge (Microscope Micrometer Calibration Ruler)
- 32GB Micro-SD Card
- USB Type-C Cable (for microscope power/data)
- USB Cable (for base lights power)
- Light Shield
- 12 Pcs Prepared Slides
- User Manual

Adjustable 8" Stand and 7" Monitor

See the Hard-to-find Details



Figure 2.1: All components included in the Leipan MS1 Digital Microscope package.

3. PRODUCT OVERVIEW

The Leipan MS1 Digital Microscope is equipped with advanced features for detailed observation and analysis. Its ergonomic design and high-quality components ensure a superior user experience.

- **7-inch LCD Screen:** The upgraded 7-inch LCD screen offers a 30% larger field of view compared to other 7-inch microscopes, allowing for more efficient observation. The screen can be rotated 90° for various viewing angles.
- **High Magnification:** Provides continuous zoom from 2X to 1500X, revealing intricate details of microscopic objects.
- **12MP Image Sensor:** Captures high-definition images and 1080FHD videos without delay, stored on the included 32GB Micro-SD card.
- **Adjustable Stand:** Features an 8-inch high stand, increasing the maximum distance between the lens and the base to 6.5 inches. This wider perspective allows for capturing larger objects like entire coins on the display.
- **Dual Lighting System:** Equipped with 8 LEDs around the lens and 2 flexible side lights on the base for

optimal illumination of specimens.

- **Versatile Output:** Supports HDMI output for direct connection to HD TVs or monitors, and USB output for compatibility with Windows and Mac computers (using default apps like "Windows Camera" or "Photo Booth").



Figure 3.1: The Leipan MS1 Digital Microscope with its main components.

Excellent **2X-1500X** Continuous Zoom



2X



100X



500X



1500X

Figure 3.2: Examples of 2X-1500X continuous zoom capabilities.

New Upgraded 8" Adjustable Stand

Easier to look at the whole coin



Figure 3.3: Comparison of the upgraded 8-inch adjustable stand.

HDMI / USB Output for Larger View



Figure 3.4: HDMI and USB output options for larger viewing.

7" HD Monitor

Reveal hidden details



350cd / m2
Luminance



800 : 1
Contrast Ratio



Aspect Ratio



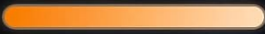
12MP



Figure 3.5: Details of the 7-inch HD Monitor.

Adjustable and Energy-saving LEDs

8 LEDs + 2 Side Lights



Individually powered lights



OFF



50%



100%

Figure 3.6: Adjustable LED lighting system.

Wonderful Gifts



1 MS1 Microscope



2 Aluminum Alloy Base



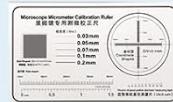
3 Aluminum Alloy Stand



4 HDMI Cable



5 Remote Control



6 Straightedge



7 32GB Memory Card



8 USB Cable



9 12 Pcs Slides



10 User Manual



11 Light Shield



Figure 3.7: Adjustable stand and monitor for enhanced viewing.

4. SETUP INSTRUCTIONS

Follow these steps to assemble your Leipan MS1 Digital Microscope:

1. **Attach the Stand to the Base:** Rotate the bracket on the aluminum alloy stand into the corresponding hole on the aluminum alloy base. Tighten the black button on the bracket to secure it.
2. **Mount the Microscope Unit:** Carefully place the microscope unit (with the LCD screen) onto the top of the stand's bracket. Ensure it is seated correctly and tighten the black button to secure it.
3. **Connect Power for Lights:** Plug the USB cable into the base's USB port to power the flexible LED lights.
4. **Insert Micro-SD Card:** Locate the Micro-SD card slot on the side of the microscope unit and insert the provided 32GB card until it clicks into place.
5. **Power On:** Press the power button on the microscope unit to turn it on.

Video 4.1: Visual guide on how to install the Leipan MS1 Digital Microscope. This video demonstrates the assembly of the stand and microscope unit.

5. OPERATING INSTRUCTIONS

Once assembled, follow these steps to operate your microscope:

1. **Place Specimen:** Position the object you wish to observe on the base directly under the microscope lens.
2. **Adjust Height:** Use the adjustment knob on the stand to raise or lower the microscope unit, bringing the lens closer or further from the specimen.
3. **Adjust Focus:** Rotate the orange focus wheel on the microscope lens until the image on the screen is clear.
4. **Adjust Lighting:** Use the controls on the base or the microscope unit to adjust the brightness of the LED lights for optimal viewing.
5. **Screen Adjustment:** The 7-inch LCD screen can be tilted up to 90 degrees to find a comfortable viewing angle.

Video 5.1: Demonstration of how to use the Leipan MS1 Digital Microscope, including adjusting height and focus for coin observation.

6. REMOTE CONTROL OPERATION

The included wireless remote control allows for convenient operation of the microscope's functions, such as taking photos, recording videos, and navigating menus, without touching the unit.

- **Photo Mode:** Press the 'OK' key on the remote to capture a photo.
- **Video Mode:** Press the 'OK' key on the remote to start/stop video recording.
- **File Mode:** Long press the menu key to switch to file mode to view captured photos and videos.

Video 6.1: Instructions on how to operate the microscope using the remote control for capturing images and videos.

7. CONNECTING TO EXTERNAL DEVICES

The Leipan MS1 offers flexible connectivity options for larger displays:

- **HDMI Output:** Connect an HDMI cable from the microscope to an HD TV or monitor to view specimens in real-time and high resolution.
- **USB Output:** Connect the USB Type-C cable from the microscope to a Windows or Mac computer. Use default applications like "Windows Camera" (Windows 10) or "Photo Booth" (MacBook) to view and capture images/videos.

HDMI / USB Output for Larger View



Figure 7.1: Connecting the microscope to external displays via HDMI or USB.

8. IMAGE AND VIDEO CAPTURE

The Leipan MS1 is equipped with a 12MP UHD image sensor for high-quality captures. All images and 1080FHD videos are stored directly onto the included 32GB Micro-SD card. Use the remote control or the buttons on the microscope unit to switch between photo and video modes and initiate captures.

9. MAINTENANCE

To ensure the longevity and optimal performance of your Leipan MS1 Digital Microscope, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the microscope and screen. For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive materials or harsh chemicals.
- **Storage:** Store the microscope in a cool, dry place away from direct sunlight and extreme temperatures. When not in use, cover the lens with the light shield to protect it from dust.
- **Battery Care:** If the microscope has a rechargeable battery, ensure it is charged regularly, even during

periods of non-use, to maintain battery health.

10. TROUBLESHOOTING

If you encounter any issues with your Leipan MS1 Digital Microscope, refer to the following common troubleshooting tips:

- **No Power:** Ensure the microscope is fully charged or connected to a power source. Check all cable connections.
- **Blurry Image:** Adjust the height of the microscope unit using the stand's knob, then fine-tune the focus using the orange focus wheel on the lens. Ensure the specimen is well-lit.
- **No Image on External Display:** Verify that the HDMI or USB cable is securely connected to both the microscope and the external device. For USB, ensure the correct software/app is running on your computer.
- **Lights Not Working:** Ensure the base's USB power cable is connected and the light controls are adjusted correctly.
- **Remote Control Not Responding:** Check the remote control's battery. Ensure there are no obstructions between the remote and the microscope's sensor.

If the problem persists after attempting these solutions, please contact Leipan customer support for further assistance.

11. SPECIFICATIONS

Feature	Specification
Product Dimensions	7.3 x 5.29 x 8.7 inches
Item Weight	2.86 pounds (1.3 Kilograms)
Item Model Number	MS1C-A
Batteries	1 Lithium Ion battery required (included)
Light Source Type	LED
Material	Metal
Real Angle of View	90 Degrees
Magnification Maximum	1500 x
Voltage	3.7 Volts
Compatible Devices	Laptop, Personal Computer, Television

12. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Leipan MS1 Digital Microscope, please refer to the contact details provided with your purchase documentation or visit the official Leipan website. Ensure you have your model number (MS1C-A) and purchase date available when contacting support.

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