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MUSTOOL G700

MUSTOOL G700 Digital Microscope User Manual

Model: G700

1. INTRODUCTION

The MUSTOOL G700 is a portable digital microscope featuring a 4.3-inch HD LCD display, designed for detailed observation, picture capture, and video recording. It supports multiple languages and is equipped with 8 adjustable high-brightness LED lights for optimal illumination. This manual provides essential information for the proper setup, operation, and maintenance of your G700 digital microscope.

2. PACKAGE CONTENTS

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

- 1 x MUSTOOL G700 LCD Digital Microscope
- 1 x USB Data Cable
- 2 x Slices (for observation)
- 1 x Cleaning Fabric
- 1 x User Manual (this document)

3. PRODUCT FEATURES

The MUSTOOL G700 Digital Microscope offers a range of features for enhanced viewing and recording:

- Integrated 4.3-inch HD LCD display for convenient observation.
- Built-in lithium battery providing approximately 4 hours of continuous operation.
- Support for 10 languages: English, German, French, Spanish, Italian, Japanese, Traditional Chinese, Simplified Chinese, Portuguese, Korean.
- 8 adjustable high-brightness LED lights with a long service life.
- Micro TF card slot for capturing photos and videos (card not included, supports up to 32GB, FAT/FAT32 formats).
- Stable and adjustable stand for precise positioning and reduced shaking.
- Dual power supply mode: operates on internal lithium battery or external 5V DC power.
- High resolution output: 1920*1080, 1280*960, 640*480.



Figure 3.1: Key features and compatibility of the G700 microscope, highlighting its HD display, TF card support, battery, and magnification capabilities.

4. SETUP GUIDE

4.1. Initial Charging

Before first use, fully charge the microscope's built-in lithium battery. Connect the microscope to a 5V DC power source using the provided USB data cable. The charging time is approximately 4 hours.

4.2. Stand Assembly

Assemble the adjustable stand according to the diagrams. Ensure all components are securely fastened to provide a stable base for observation.



Figure 4.1: Assembled MUSTOOL G700 Digital Microscope, ready for use.

4.3. Micro TF Card Installation (Optional)

To save images and videos, insert a Micro TF card (up to 32GB, FAT/FAT32 format) into the designated slot on the microscope. Ensure the card is inserted correctly to avoid damage.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

Press and hold the power button (usually located on the side or back of the display unit) for a few seconds to turn the microscope on or off.

5.2. Placing an Object

Place the object you wish to observe directly under the microscope lens on the observation platform. Use the provided slices for transparent or very small specimens.

5.3. Adjusting Focus

Rotate the focus knob (typically on the side of the lens barrel) to bring the image into sharp focus on the LCD screen. The focusing range is 0-40mm.

5.4. Adjusting LED Brightness

The 8 LED lights around the lens have adjustable brightness. Use the dedicated brightness control (often a dial or button) to achieve optimal illumination for your specimen.

5.5. Capturing Images and Videos

With a Micro TF card inserted, you can capture still images or record videos. Locate the "Photo" or "Mode" button on the microscope. Press it once to take a photo, or press and hold to start/stop video recording. Saved files are in JPG/AVI format.

5.6. Language Settings

Navigate through the on-screen menu using the control buttons to access language settings. Select your preferred language from the available options.

5.7. Connecting to a Personal Computer

The microscope can be connected to a personal computer via the USB2.0 interface. This allows for viewing the microscope feed on a larger screen or transferring captured files. Refer to your computer's operating system for driver installation if necessary (often plug-and-play).

6. MAINTENANCE

6.1. Cleaning

Use the provided cleaning fabric to gently wipe the lens and LCD screen. For the body of the microscope, a soft, dry cloth is sufficient. Avoid using abrasive cleaners or solvents that may damage the surfaces.

6.2. Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Recharge the battery when the low battery indicator appears. If storing for an extended period, charge the battery to about 50% and store in a cool, dry place.

6.3. Storage

Store the microscope in a clean, dry environment away from direct sunlight, extreme temperatures, and high humidity. Keep it in its original packaging or a protective case when not in use to prevent dust accumulation and physical damage.

7. TROUBLESHOOTING

7.1. No Power

- Ensure the battery is charged. Connect the microscope to a power source using the USB cable.
- Verify the power button is pressed and held for the required duration.

7.2. Blurry Image

- Adjust the focus knob carefully until the image is clear.
- Ensure the object is within the microscope's focusing range (0-40mm).
- Clean the lens with the provided cleaning fabric if smudges are present.

7.3. Cannot Save Photos/Videos

- Check if a Micro TF card is properly inserted.
- Ensure the TF card is formatted to FAT or FAT32.
- Verify there is sufficient free space on the TF card.
- The TF card might be locked (write-protected).

7.4. Screen is Dark or Too Bright

- Adjust the brightness of the 8 LED lights.
- Check ambient lighting conditions.

8. SPECIFICATIONS

Detailed technical specifications for the MUSTOOL G700 Digital Microscope:

Feature	Specification
Image Sensor	2M fine quality image sensor
Magnifications	50x, 500x
Display	4.3 inches TFT panel, 16:9
Focusing Range	0-40mm
Focus Mode	Manual
Resolution	1920*1080, 1280*960, 640*480
Micro TF Card Slot	Supports up to 32GB (FAT, FAT32)
Data Format	JPG/AVI
Light Source	8 LED lights (adjustable brightness)
Frame Rate	30fps
Interface	USB2.0

Feature	Specification
Lens Structure	2G+IR
Aperture	F4.5
Lens Angle	16°
Power Supply	1 x lithium battery, 3.7V, 1500mAh (included)
Power Source	DC 5V
Rated Voltage	AC 110-240V
Battery Continuous Working Time	About 4 hours
Charging Time	About 4 hours
Stand Size	156 * 122mm / 6.1 * 4.8in
Package Size	210 * 210 * 135mm / 8.3 * 8.3 * 5.3in
Package Weight	714g / 1.6lb
Material	Metal, Plastic
Color	Black



Figure 8.1: Physical dimensions of the MUSTOOL G700 Digital Microscope.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your MUSTOOL G700 Digital Microscope, please contact the manufacturer directly through their official website or the retailer from whom you purchased the product. Please retain your proof of purchase for warranty claims.

For further assistance, you may visit the [product page on Amazon](#).

