

Andonstar AD249-P

Andonstar AD249-P 10.1 Inch Digital Microscope User Manual

Model: AD249-P | Brand: Andonstar

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Andonstar AD249-P 10.1 Inch Digital Microscope. Please read this manual thoroughly before use to ensure proper functionality and longevity of the device.

2. SAFETY INFORMATION

- Keep the device away from water and moisture.
- Avoid exposing the device to extreme temperatures.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.
- Use only the provided power adapter and accessories.
- Keep out of reach of small children.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x Microscope host
- 1x Plastic Stand
- 1x Lens A
- 1x Lens B
- 1x Lens C
- 2x USB spot lights
- 1x 32G Micro SD card
- 1x Switch cable
- 1x Remote control
- 5x Prepared Slides

- 1x Observation box
- 1x Tweezers
- 3x Backdrop board
- 1x Screw driver
- 1x Instruction Manual



- ① Microscope
- ② Lens A (has been fixed)
- ③ Lens B&C ④ Remote
- ⑤ Dimmer cable
- ⑥ Backdrop board*3 ⑦ Tweezers
- ⑧ Slides kit ⑨ Bug box
- ⑩ 32G SD card ⑪ Screw driver

Image showing the complete package contents of the Andonstar AD249-P Digital Microscope, including the main unit, stand, lenses, lights, remote, and various accessories.

BIOLOGICAL MICROSCOPE



Diagram illustrating the various components included with the Andonstar AD249-P Digital Microscope, each labeled for easy identification.

4. SETUP

4.1 Assembling the Plastic Stand

Follow these steps to assemble the microscope stand:

1. Attach the vertical support to the base using the provided screws.
2. Secure the horizontal arm to the vertical support.
3. Mount the microscope display unit onto the horizontal arm.
4. Connect the USB spot lights to the base.

Your browser does not support the video tag.

Video demonstrating the assembly process for the plastic stand of the Andonstar AD249-P Digital Microscope.

4.2 Power Connection

Connect the microscope to a power source using the provided switch cable. Ensure the connection is secure.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- Press the power button on the microscope unit or the remote control to turn the device on or off.

5.2 Lens Selection and Usage

The Andonstar AD249-P comes with three interchangeable lenses for various observation needs:

- **Lens A (4.5-180x):** Ideal for observing larger objects such as whole coins, circuit boards, plants, and stones. This lens provides a wider field of view.
- **Lens B (390-510x):** Suitable for biological slides and more detailed observations.
- **Lens C (690-1020x):** Designed for high-magnification viewing of biological slides and intricate details.

To change lenses, carefully remove the current lens by unscrewing it and attach the desired lens by screwing it into place.



Illustration of the three different lenses (A, B, C) included with the microscope, detailing their respective magnification ranges and typical uses for coins, PCBs, plants, and biological slides.

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Video tutorial demonstrating how to use the three different lenses (A, B, C) with the Andonstar AD249-P Digital

Microscope for various observation types.

5.3 Focusing and Object Distance Adjustment

Rotate the focusing wheel on the microscope body to achieve a clear image. Adjust the object distance by rotating the bracket knob on the stand to move the microscope head up or down.

MICROSCOPE FOR COIN, PCB, PLANTS



Long object distance for whole coin



Short object distance for detail observation

Image illustrating the use of the microscope for observing coins, highlighting the long object distance for whole coins and short object distance for detailed views.

5.4 LED Lighting

The microscope features adjustable USB LED lights. Use the dimmer cable to control the brightness and direction of the lights to optimize illumination for your specimen. There are eight intensity levels available.

CONVENIENT REMOTE CONTROL



Diagram showing the adjustable USB LED lights and the dimmer control for brightness adjustment on the Andonstar AD249-P Digital Microscope.

5.5 Remote Control Functions

The wireless remote control allows for convenient operation from a distance. Functions include:

- Image discoloration
- Digital zoom
- Photo capture
- Video recording

LED Light

Adjustable irradiation direction,
brightness

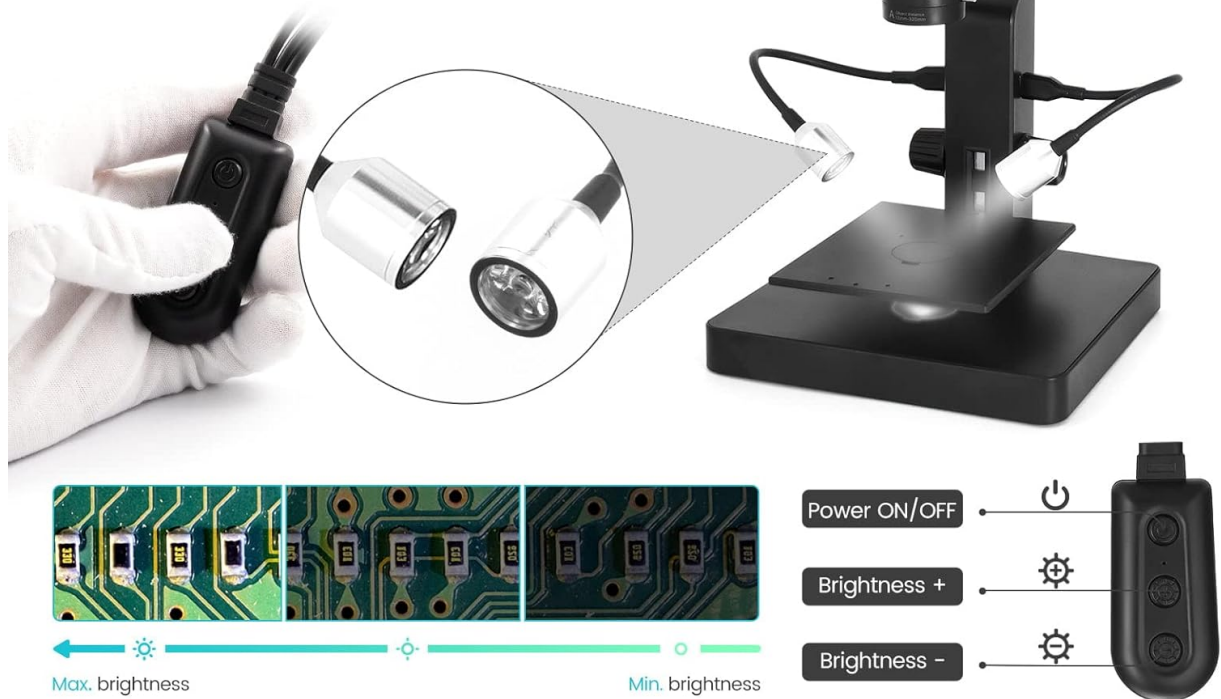


Image depicting the wireless remote control for the Andonstar AD249-P Digital Microscope, highlighting its zoom functionality.

5.6 Photo and Video Recording

The included 32GB Micro SD card allows you to capture and store images and videos of your observations. Insert the SD card into the designated slot on the microscope unit. Use the remote control or the unit's buttons to initiate photo capture or video recording.



Image illustrating the photo and video recording capabilities of the microscope, showing estimated storage capacity on a 32GB SD card.

5.7 External Display Connection

The microscope can be connected to an external display, such as a television, for a larger viewing experience. Use an appropriate HDMI cable (not included) to connect the microscope to your display.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microscope body and screen. For lenses, use a specialized lens cleaning cloth and solution. Avoid abrasive materials.
- **Storage:** Store the microscope in a clean, dry place away from direct sunlight and extreme temperatures. When not in use, cover the lenses to protect them from dust.
- **Battery Care:** If the device has an internal battery (not explicitly stated but common for digital devices), ensure it is charged regularly to maintain battery health.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on screen	Power not connected, device not turned on, lens cap on	Check power connection, press power button, remove lens cap
Image blurry	Out of focus, incorrect object distance, dirty lens	Adjust focusing wheel, adjust bracket knob, clean lens
LED lights not working	Lights not connected, dimmer cable off, brightness set to minimum	Ensure lights are plugged in, check dimmer cable switch, increase brightness
Remote control unresponsive	Batteries low/dead, obstruction, out of range	Replace batteries, ensure clear line of sight, move closer to microscope




8. SPECIFICATIONS




- **Model:** AD249-P
- **Display:** 10.1" LCD
- **Magnification:** Lens A (4.5-180x), Lens B (390-510x), Lens C (690-1020x)
- **Video Resolution:** 1080P FHD
- **Storage:** Micro SD card (32GB included)
- **Lighting:** Adjustable USB LED lights (8 intensity levels)
- **Connectivity:** HDMI output (for external display)
- **Power:** USB powered
- **Material:** Pro plastic stand
- **Item Weight:** 4.4 pounds (2 Kilograms)
- **Package Dimensions:** 11.34 x 9.06 x 7.8 inches
- **Manufacturer:** ShenZhen Andonstar Technology Co., Ltd

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Andonstar website or contact your retailer. Keep your purchase receipt for warranty claims.

Related Documents - AD249-P

	<p>Andonstar Digital Microscope Assembly Guide</p> <p>Step-by-step assembly instructions for Andonstar digital microscopes, including component identification and assembly procedures.</p>
<p>Digital Microscope 246, 249 Users Manual (plastic stand)</p> 	<p>Andonstar Digital Microscope 246 & 249 Users Manual (Plastic Stand)</p> <p>This users manual provides detailed instructions for operating the Andonstar Digital Microscope models 246 and 249 with a plastic stand. It covers safety precautions, technical specifications, package contents, button functions, bracket assembly, quick start guide, lens selection, digital zoom, saving files to micro SD cards, remote control operation, settings configuration, troubleshooting common issues, and warranty information.</p>
	<p>Andonstar AD2469M Series Microscope Assembly Instructions</p> <p>Step-by-step guide for assembling the Andonstar AD2469M Series digital microscope, including component identification and assembly procedures.</p>

<p>Digital Microscope 246 249 Users Manual (metal stand)</p> 	<p>Andonstar Digital Microscope 246 249 Users Manual (Metal Stand) - Guide and Specifications</p> <p>Comprehensive user manual for the Andonstar Digital Microscope models 246 and 249 with a metal stand. Covers safety, specifications, setup, operation, lens selection, troubleshooting, and warranty information.</p>
<p>Components list</p> 	<p>Andonstar Digital Microscope Assembly Guide</p> <p>Comprehensive assembly instructions for Andonstar digital microscopes, covering component identification and step-by-step setup for optimal use.</p>
<p>Instructions of Digital Microscope AD409</p> 	<p>Andonstar AD409 Digital Microscope User Manual and Instructions</p> <p>Comprehensive user manual for the Andonstar AD409 digital microscope, covering safety, specifications, installation, operation, software usage, WiFi connectivity, and warranty information.</p>