

Andonstar AD115

Andonstar AD115 Portable Digital Microscope User Manual

Model: AD115

1. INTRODUCTION

Thank you for choosing the Andonstar AD115 Portable Digital Microscope. This manual provides essential information for the safe and effective use of your device. Please read it thoroughly before operation and retain it for future reference.

2. PACKAGE CONTENTS

Before proceeding with setup, verify that all components are present in your package:

- Microscope Monitor
- Microscope Stand (Base, Vertical Rod, Holder)
- USB-C Cable
- User Manual



Image: The complete contents of the Andonstar AD115 package, showing the microscope monitor, the disassembled metal stand, a USB-C charging cable, and the printed user manual.

3. SETUP

3.1 Stand Assembly

1. Attach the vertical rod to the metal base using the provided screw.
2. Slide the microscope holder onto the vertical rod.
3. Secure the holder at the desired height using the adjustment knob.

From Overview to Fine Details–One Coin Microscope, Unlimited Perspectives!



Image: Two Andonstar AD115 microscopes on their metal stands, illustrating different height settings and the easy-spin height adjustment wheel for precise positioning.

3.2 Initial Charging

Before first use, fully charge the microscope's internal battery using the supplied USB-C cable and a compatible 5V USB power adapter (not included). The charging indicator will show the charging status.

4. OPERATING INSTRUCTIONS

4.1 Basic Controls

The microscope features intuitive controls for easy operation:

- **Power Button:** Press and hold to turn the device on/off.
- **LED Light Adjustment:** Use the dedicated switch to control the brightness of the integrated LED lights.
- **OK/M Button:** Press to confirm selections or switch between modes (e.g., photo, video).
- **Up/Down Buttons:** Navigate menus or adjust settings.
- **Focus Wheel:** Rotate to achieve a clear image.

Handheld Microscope with Effortless One-Hand Operation



Image: A user holding the Andonstar AD115 microscope in handheld mode, highlighting the LED light control, the OK/M button for taking pictures/videos, and the focus adjustment ring.

4.2 Magnification and Focus

The AD115 offers a maximum magnification of 60x. Adjust the distance between the lens and the object, then fine-tune the focus using the focus wheel for optimal clarity.

Shake-Free Distance Adjustment Ring

1. Micro-focus Adjustment



2. Shake-Free Steady Image

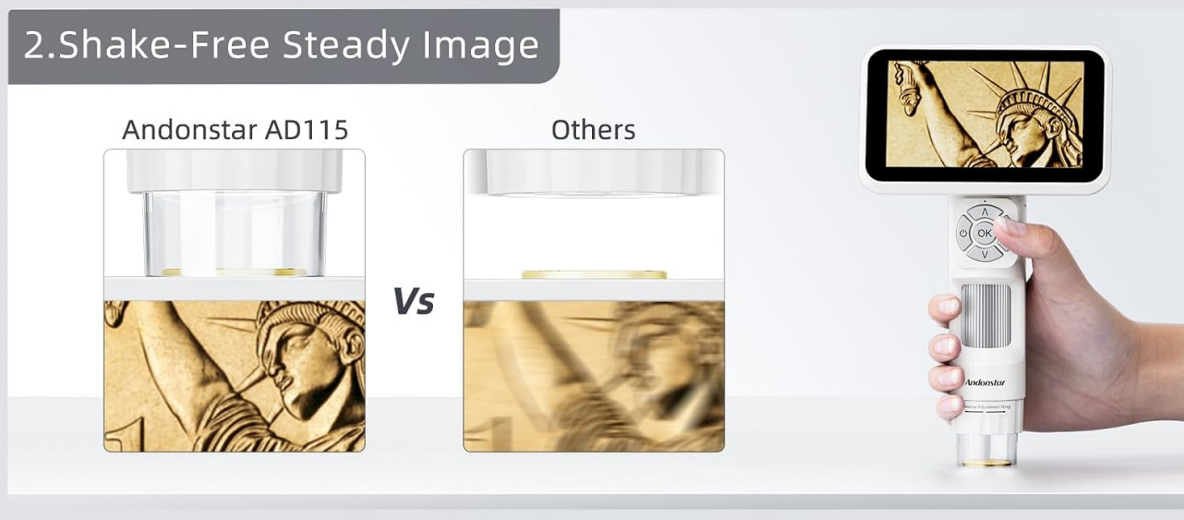


Image: A detailed view of the shake-free distance adjustment ring on the Andonstar AD115, demonstrating how to set the working distance (0.5cm, 1.0cm, 1.5cm) for micro-focus adjustment and to achieve a steady image.

4.3 Viewing Modes

The AD115 can be used in various configurations to suit your inspection needs:

- **Handheld:** For quick inspections or objects that cannot be placed on the stand.
- **Close-Up:** Using the stand for detailed examination of smaller areas.
- **Full View:** Adjusting the stand height to capture a broader field of view.

3 Ways to Explore Coins!



Image: A visual guide demonstrating three ways to explore objects with the Andonstar AD115: Method 1 (Handheld), Method 2 (Close-Up on stand), and Method 3 (Full View on stand).

4.4 Image and Video Capture

The microscope supports capturing 12MP images and 1080P Full HD videos directly to a microSD card (not included).

- Insert a formatted microSD card into the designated slot.
- Press the 'OK' button to take a photo or the 'M' button to switch to video mode and then 'OK' to start/stop recording.

5 Inch 1080P Video Record IPS Microscope Camera



Image: The 5-inch 1080P IPS screen of the Andonstar AD115 microscope camera, showing a magnified coin. Below are examples of a 12M picture of a poppy and a 1080FHD video frame of a parrot, illustrating its capture capabilities.

4.5 PC Connection

Connect the AD115 to a Mac or Windows PC via the USB-C cable to use it as a PC camera for larger display and data transfer.

- Connect the microscope to your computer using the USB-C cable.
- Select 'PC Camera' mode on the microscope screen.
- Open a compatible camera application on your computer to view the live feed.

Mac/Windows PC output



Image: The Andonstar AD115 microscope connected to a laptop via a USB-C cable, demonstrating its capability for Mac/Windows PC output, with the microscope viewing a circuit board.

5. MAINTENANCE

5.1 Cleaning

To maintain optimal performance, keep the lens and screen clean. Use a soft, lint-free cloth for the screen and a lens cleaning solution with a microfiber cloth for the objective lens. Avoid abrasive materials or harsh chemicals.

5.2 Battery Care

The AD115 is equipped with a 900mAh battery, providing approximately 2.5 hours of usage time. To prolong battery life:

- Charge the device fully before extended storage.
- Avoid completely draining the battery regularly.
- Store in a cool, dry place.

Explore Without Limits - Long-Lasting Battery for Outdoor



Image: An illustration of the Andonstar AD115's 900mAh battery, highlighting its 2.5-hour usage time, with a scene depicting the microscope being used outdoors by a child, emphasizing its portability and long-lasting battery for exploration.

6. TROUBLESHOOTING

If you encounter issues with your Andonstar AD115, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Low battery; Power button not pressed correctly	Charge the device; Press and hold the power button for 3 seconds
Blurry image	Incorrect focus; Object too far/close; Dirty lens	Adjust the focus wheel; Adjust working distance; Clean the lens
Cannot capture images/videos	No microSD card; microSD card full or unformatted	Insert a formatted microSD card; Delete files or replace card

Problem	Possible Cause	Solution
PC connection not working	Incorrect mode selected; Faulty USB-C cable; Driver issue	Ensure 'PC Camera' mode is selected; Try a different USB-C cable; Check PC device manager for drivers

7. SPECIFICATIONS

Feature	Specification
Model Number	AD115-Stand
Brand	Andonstar
Maximum Magnification	60x
Digital Magnification (Digital Zoom)	60x
Objective Lens Description	Achromatic
Light Source Type	LED
Voltage	5 Volts
Actual View Angle	178 degrees
Manufacturer	ShenZhen Andonstar Technology Co., Ltd
UPC	616361263949
ASIN	B0DS218R69
GTIN	616361263949

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Andonstar AD115 Portable Digital Microscope comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Andonstar website for detailed terms and conditions regarding coverage and duration.

8.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact Andonstar customer support through their official website or the contact information provided with your purchase. When contacting support, please have your model number (AD115) and purchase details ready.

