

[Manuals.plus](#) /

› [BRESSER](#) /

› Bresser USB PC Digital Microscope DST-1028, 5.1 MP Instruction Manual

BRESSER DST-1028

Bresser USB PC Digital Microscope DST-1028, 5.1 MP Instruction Manual

[Contents](#) [Setup](#) [Operating](#) [Introduction](#) [Package](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

This manual provides detailed instructions for the Bresser USB PC Digital Microscope DST-1028, 5.1 MP. This device is designed for viewing and recording samples on a personal computer, suitable for examining material samples, circuit boards, electronic components, plants, and insects. It features high-quality optics with continuous zoom and an integrated LED ring light for optimal illumination.

2. PACKAGE CONTENTS

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

- Bresser USB PC Digital Microscope DST-1028 (5.1 MP)
- Metal Tripod with Integrated Focusing
- Extension for Tripod
- USB Connection Cable with Integrated Dimmer
- Software Download Information (for Windows)
- Instruction Manual

3. SETUP

3.1 Physical Assembly

1. Unpack all components from the box.
2. Attach the digital microscope unit to the adjustable holder on the metal tripod. Ensure it is securely fastened.
3. If additional height is required, attach the tripod extension to the main tripod column.



Figure 1: The Bresser USB PC Digital Microscope DST-1028 assembled on its metal tripod, ready for use with a sample.

3.2 Software Installation

The microscope requires specific software for full functionality on your PC. This software is compatible with Windows operating systems.

1. Locate the software download instructions provided in your package.
2. Visit the specified website to download the latest version of the Bresser microscope software.
3. Follow the on-screen prompts to install the software on your Windows PC.

3.3 Connecting to PC

1. Connect the USB cable from the microscope to an available USB port on your PC.
2. Once connected, your PC should recognize the device. If prompted, allow the installation of any necessary drivers.
3. Launch the Bresser microscope software. The live view from the microscope should appear on your screen.



Figure 2: The microscope's USB cable, which includes the dimmer, ready for connection to a PC.

4. OPERATING INSTRUCTIONS

4.1 Placing a Sample

Place the object you wish to examine directly on the base plate of the tripod, beneath the microscope lens. Ensure the object is stable.

4.2 Adjusting Magnification and Focus

1. The microscope features continuous zoom, allowing magnification between 10x and 280x. Rotate the magnification ring on the microscope body to adjust the desired level.
2. Use the focusing knob on the tripod to raise or lower the microscope unit, bringing the sample into sharp focus on your PC screen.
3. For larger objects or specific working distances (up to 110 mm at low magnifications), adjust the height of the microscope on the tripod column.

4.3 Controlling Illumination

The integrated ring light consists of eight LEDs, providing optimal and high-contrast illumination.

- Locate the dimmer integrated into the USB connection cable.
- Rotate the dimmer wheel to increase or decrease the brightness of the LED ring light to suit your viewing conditions.



Figure 3: The dimmer control located on the USB cable for adjusting LED brightness.

4.4 Capturing Images and Videos

The Bresser software allows you to capture still images and record videos of your observations.

- Within the software interface, locate the buttons for 'Capture Image' or 'Record Video'.
- Click the respective button to save your observations. Refer to the software's help documentation for specific features and settings, including measurement functions.

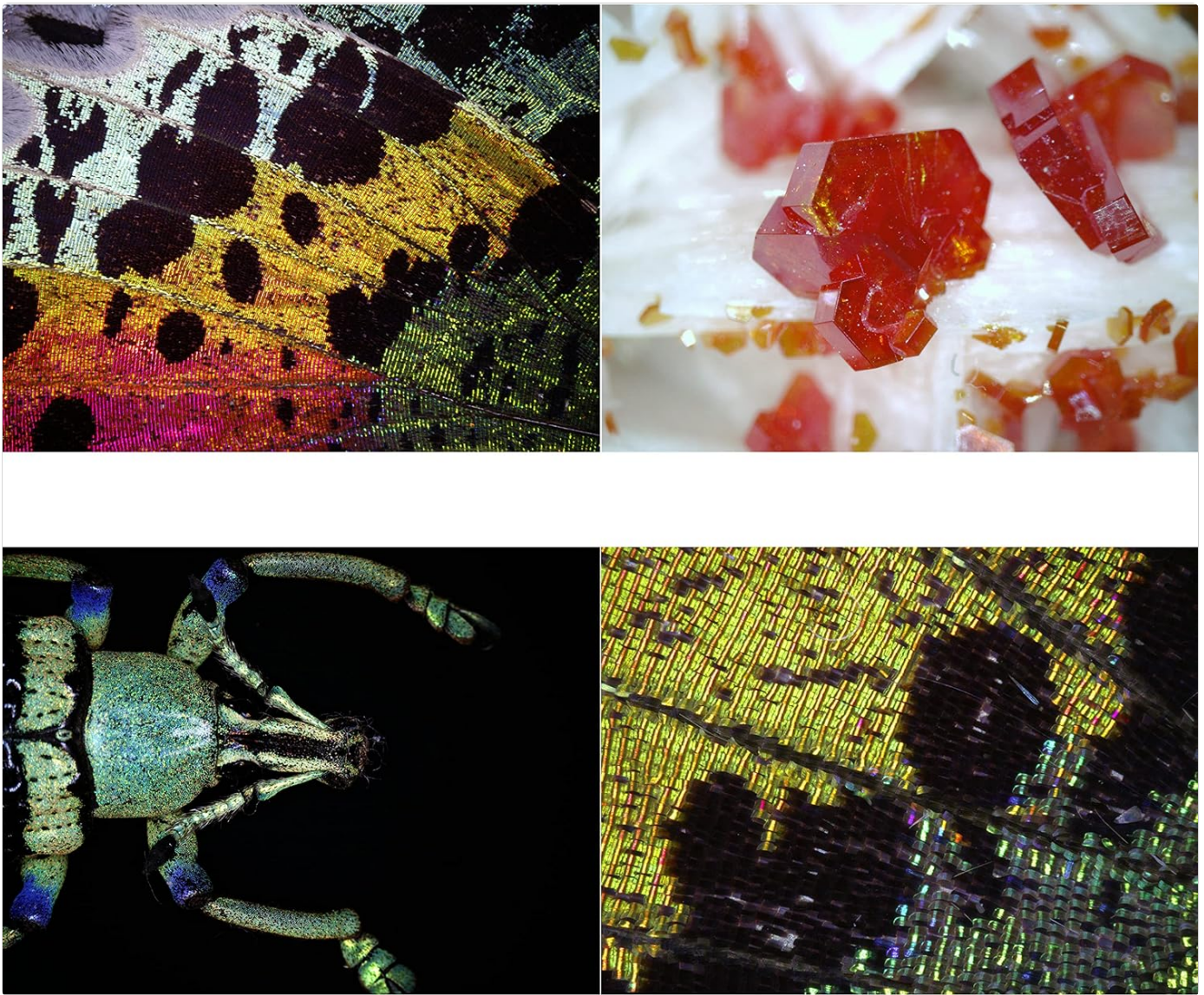


Figure 4: Examples of detailed images captured using a digital microscope, showcasing various samples.

5. MAINTENANCE

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Avoid abrasive materials or harsh chemicals.
- **Cleaning the Body:** Wipe the microscope body and tripod with a dry or slightly damp soft cloth. Do not allow moisture to enter the electronic components.
- **Storage:** Store the microscope in a clean, dry place, away from direct sunlight and extreme temperatures.
- **Software Updates:** Periodically check the Bresser website for software updates to ensure optimal performance and compatibility.

6. TROUBLESHOOTING

- **No Image on Screen:**
 - Ensure the USB cable is securely connected to both the microscope and the PC.
 - Verify that the Bresser software is running and the correct device is selected.
 - Check if the LED light is on; if not, adjust the dimmer.
- **Image is Blurry:**
 - Adjust the focusing knob on the tripod until the image is sharp.
 - Ensure the sample is properly positioned and stable.

- Clean the microscope lens if smudges are visible.
- **Software Not Launching/Crashing:**
 - Ensure your PC meets the minimum system requirements for the software.
 - Reinstall the software if the issue persists.
 - Check for available software updates from Bresser.
- **LED Light Not Working:**
 - Check the USB connection for power.
 - Rotate the dimmer wheel to ensure it's not set to minimum brightness.

7. SPECIFICATIONS

Feature	Detail
Model Name	Bresser USB PC Digital Microscope
Item Model Number	5808600
Magnification Maximum	280x
Light Source Type	LED (8 LEDs, adjustable brightness)
Sensor Resolution	5.1 MP
Connectivity	USB
Product Dimensions	5.83"L x 3.03"W x 7.87"H (148 x 77 x 200 mm)
Item Weight	1.54 pounds (0.7 Kilograms)
Material	PLA, PC, PE, Metal
Color	Silver
Voltage	5 Volts

8. WARRANTY AND SUPPORT

Bresser products are manufactured with quality and reliability in mind. For specific warranty details regarding your Bresser USB PC Digital Microscope DST-1028, please refer to the warranty card included in your original packaging or visit the official Bresser website.

Should you encounter any issues or require technical assistance, please contact Bresser customer support. Contact information can typically be found on the Bresser website or in your product documentation. When contacting support, please have your product model number (DST-1028) and purchase information readily available.

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

Open the live page

<https://manuals.plus/asin/B09JWXPB4X>

More documents and user manuals: **<https://manuals.plus/>**