

[Manuals.plus](#) /

› [Dcorn](#) /

› Dcorn 7" Digital Microscope 1200X User Manual

Dcorn DMR02

Dcorn 7" Digital Microscope 1200X User Manual

Model: DMR02

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Dcorn 7" Digital Microscope 1200X. Designed for detailed observation, this microscope features a 7-inch HD LCD display, 12MP camera, and versatile lighting options, making it suitable for various applications including soldering, coin collection, and educational purposes.



Figure 1: Dcorn 7" Digital Microscope 1200X, showing the main unit with its display, lens, and adjustable side lights, observing a circuit board.

WHAT'S IN THE BOX

Please verify that all items are present in the package:

- Digital Microscope (1 unit)
- User Manual (1 unit)
- CD (1 unit)

SETUP INSTRUCTIONS

Follow these steps to assemble and prepare your Dcorn Digital Microscope for use:

1. **Assemble the Stand:** Securely attach the microscope stand components. Ensure all screws are tightened for stability.
2. **Mount the Microscope Unit:** Carefully slide the microscope unit onto the stand's adjustable arm. Tighten the securing knob to hold it in place.
3. **Connect Side Lights:** Insert the flexible side lights into their designated ports on the base. Adjust their position to provide optimal illumination for your observation area.
4. **Connect Wired Remote:** Plug the wired remote control cable into the base unit. This remote allows for convenient control of lighting and other functions.

Innovative Design



Rotatable screen

Support 90 degree rotation



8 LED Lights+2 side Lights

Ensure the tiny details clear enough



Aluminum Alloy Base

More sturdy and suit for soldering



Wired Remote

More convenient for take photo or menu setting



Figure 2: Key design features of the Dcorn Digital Microscope, including the rotatable screen, 8 LED lights plus 2 side lights, aluminum alloy base, and wired remote.

Your browser does not support the video tag.

Video 1: Step-by-step guide on how to install the Dcorn Digital Microscope, including assembly of the stand and attachment of the main unit and lights.

OPERATING INSTRUCTIONS

Learn how to effectively use your Dcorn Digital Microscope for various observation tasks.

Magnification and Focus

The microscope offers 10X-1200X magnification. Adjust the focus wheel on the side of the microscope unit to achieve a clear image on the 7-inch HD LCD display. The actual magnification may vary based on the distance between the lens and the object, and the size of the screen used.

Lighting Adjustment

The microscope is equipped with 8 built-in adjustable LED lights and 2 additional adjustable side lights. To turn on the additional lights, first connect the remote control cable to the base, and then rotate the rotating wheel on the base. Adjust the brightness using the controls on the unit or the wired remote to ensure optimal illumination for your specimen.

UPGRADED 2 SIDE LIGHTS DESIGN

Ensure the tiny details more bright and clear



Figure 3: The upgraded design of the Dcorn Digital Microscope features two adjustable side lights, providing enhanced illumination for detailed observation and tasks like soldering.

Photo and Video Functions

The Dcorn Digital Microscope allows you to capture high-quality images (up to 12MP) and record videos (up to 1080FHD). Use the dedicated buttons on the unit or the wired remote to switch between modes and initiate recording or photo capture. Photos and videos can be saved to a memory card (TF card, not included, supports up to 64GB).

More than a microscope

Recording the new discovery
TF Card not Included

12MP Ultra-Precise
Camera Sensor

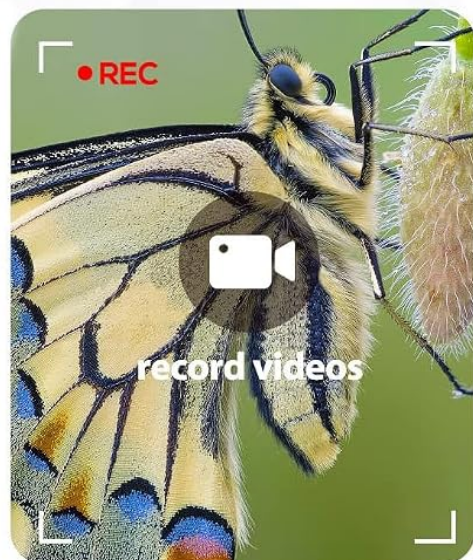


Figure 4: The microscope's 12MP camera sensor enables capturing detailed photos and videos of microscopic subjects.

Adjustable Height and Angle

The screen can be adjusted forward and backward, and the entire microscope unit's height can be adjusted on the stand. This flexibility, combined with the sturdy metal base, helps maintain clear focus and stability during observation.

GREAT TOOL FOR COIN COLLECTION



Figure 5: The Dcorn Digital Microscope is an excellent tool for detailed examination of items such as coins.

CONNECTING TO PC

For a larger view and enhanced functionality, you can connect your Dcorn Digital Microscope to a Windows or Mac

computer.

1. **Connect via USB:** Use the provided USB cable to connect the microscope to your computer.
2. **Select "PC Camera" Mode:** On the microscope's display, navigate to the menu and select "PC Camera" mode.
3. **Access on Windows (Win10):**
 - Open the default "Windows Camera" application. The microscope's feed should appear automatically.
 - *Optional Software:* AMCap (demo version available online, paid version for full features).
 - *Software on CD:* The included CD contains amcap v3.0.9. Note: This version supports video recording but not camera function. If your computer lacks a CD drive, please contact support.
4. **Access on Mac:**
 - Open the default "Photo Booth" application. The microscope's feed should appear automatically.

CONNECT TO PC FOR **LARGER VIEW**

Storage, analysis and sharing image



Figure 6: Connecting the Dcorn Digital Microscope to a PC for a larger viewing experience and enhanced analysis.

Your browser does not support the video tag.

Video 2: Instructions on how to connect the Dcorn Digital Microscope to a PC, demonstrating the "PC Camera" mode selection and use with Windows Camera application.

MAINTENANCE

Proper care and maintenance will ensure the longevity and optimal performance of your microscope.

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the microscope lens. Avoid abrasive materials or harsh chemicals.
- **Cleaning the Body:** Wipe the main body and stand with a dry or slightly damp soft cloth. Do not use solvents or strong detergents.
- **Storage:** When not in use, store the microscope in a clean, dry, and dust-free environment. Protect it from extreme temperatures and humidity.
- **Battery Care:** The microscope includes a Lithium Polymer battery. For optimal battery life, avoid fully discharging the battery frequently and store it with a partial charge if not used for extended periods.

TROUBLESHOOTING

If you encounter issues with your Dcorn Digital Microscope, please refer to the following common solutions:

- **No Image on Display:**
 - Ensure the microscope is powered on and fully charged or connected to a power source.
 - Check all cable connections, especially the power cable.
 - Adjust the focus wheel to bring the image into view.
- **Image is Blurry:**
 - Adjust the focus wheel slowly until the image is sharp.
 - Ensure the object is within the optimal working distance of the lens.
 - Clean the lens if there are smudges or dust.
- **Lights Not Working:**
 - Verify the remote control cable is securely connected to the base.
 - Rotate the rotating wheel on the base to adjust light intensity.
 - Ensure the microscope has sufficient power.
- **Cannot Connect to PC:**
 - Ensure the USB cable is properly connected to both the microscope and the computer.
 - Select "PC Camera" mode on the microscope's display.
 - Try a different USB port on your computer.
 - Restart your computer and the microscope.
 - For Windows, ensure "Windows Camera" is allowed to access your camera. For Mac, check "Photo Booth" permissions.

SPECIFICATIONS

Feature	Detail
Brand	Dcorn
Model Name	7" Digital Microscope
Item Model Number	DMR02
Magnification Maximum	1200X
Display	7-inch HD LCD
Photo Resolution	Up to 12MP
Video Resolution	Up to 1080FHD
Light Source Type	LED (8 built-in, 2 side lights)
Material	ABS, Metal
Color	Sliver
Product Dimensions	8 x 6 x 3 inches
Item Weight	2.29 pounds
Batteries	1 Lithium Polymer battery (included)
Voltage	3.7 Volts (DC)
Compatible Devices	Personal Computer (Windows/Mac)

WARRANTY AND SUPPORT

For any questions, technical assistance, or warranty inquiries, please contact Dcorn customer support:
support@dcornus.com

© 2024 Dcorn. All rights reserved.

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