Ninyoon Ninyoon-050

Ninyoon USB 2K Digital Microscope (Model Ninyoon-050) User Manual

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Ninyoon USB 2K Digital Microscope. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your viewing experience.

Key Features

- **2K 2560x1440P Resolution:** Experience super clear imaging for detailed observation.
- **Wide Compatibility:** Works with Android OTG phones/tablets, iMac, Mac mini/Pro, MacBook Air/Pro, Windows XP/7/8/10/11, and Linux/Chrome OS. *Note: Not compatible with iPhone/iPad.*
- **Wide Angle & Long Focal Distance:** Designed for versatility, allowing for full object framing (e.g., coins) and sufficient working distance for tasks like electrical soldering.
- **Versatile Applications:** Suitable for coin, currency, stamp, and diamond identification; PCB soldering and factory work; educational purposes for students and teachers; and skin, pore, and scalp inspections.

PACKAGE CONTENTS

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

- Ninyoon 2K Digital Microscope
- Transparent Calibration Card
- Metal Stand
- Type-C Adapter (2.0 & 3.0 compatible)
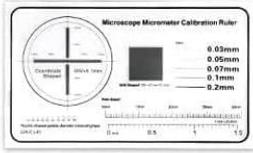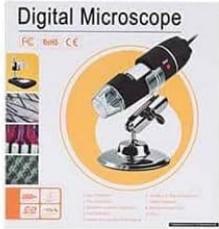- Instruction Manual
- Storage Box

Package List

2K Microscope	**transparent calibration card**	**metal stand**
type c adapter 2.0&3.0	**instruction**	**box**

Image: Contents of the Ninyoon USB 2K Digital Microscope package, including the microscope, calibration card, metal stand, Type-C adapter, instruction manual, and storage box.

SETUP INSTRUCTIONS

1. Assemble the Microscope Stand

Attach the Ninyoon 2K Digital Microscope to the provided metal stand. Ensure it is securely fastened to prevent movement during observation.

Image: The Ninyoon USB 2K Digital Microscope mounted on its metal stand, ready for use.

2. Connect to Your Device

The microscope features a 3-in-1 USB connector (Standard USB, Micro USB, and Type-C) for broad compatibility.

1. **For PC (Windows/Mac/Linux/Chrome OS):** Connect the standard USB end directly to an available USB port on your computer.
2. **For Android Phones/Tablets (Micro USB):** Use the Micro USB connector. If necessary, flip the USB connector to ensure proper orientation.
3. **For Android Phones/Tablets (Type-C):** Use the included Type-C adapter with the standard USB connector, then plug into your device's Type-C port.

Important Note: This microscope is not compatible with iPhone or iPad devices.
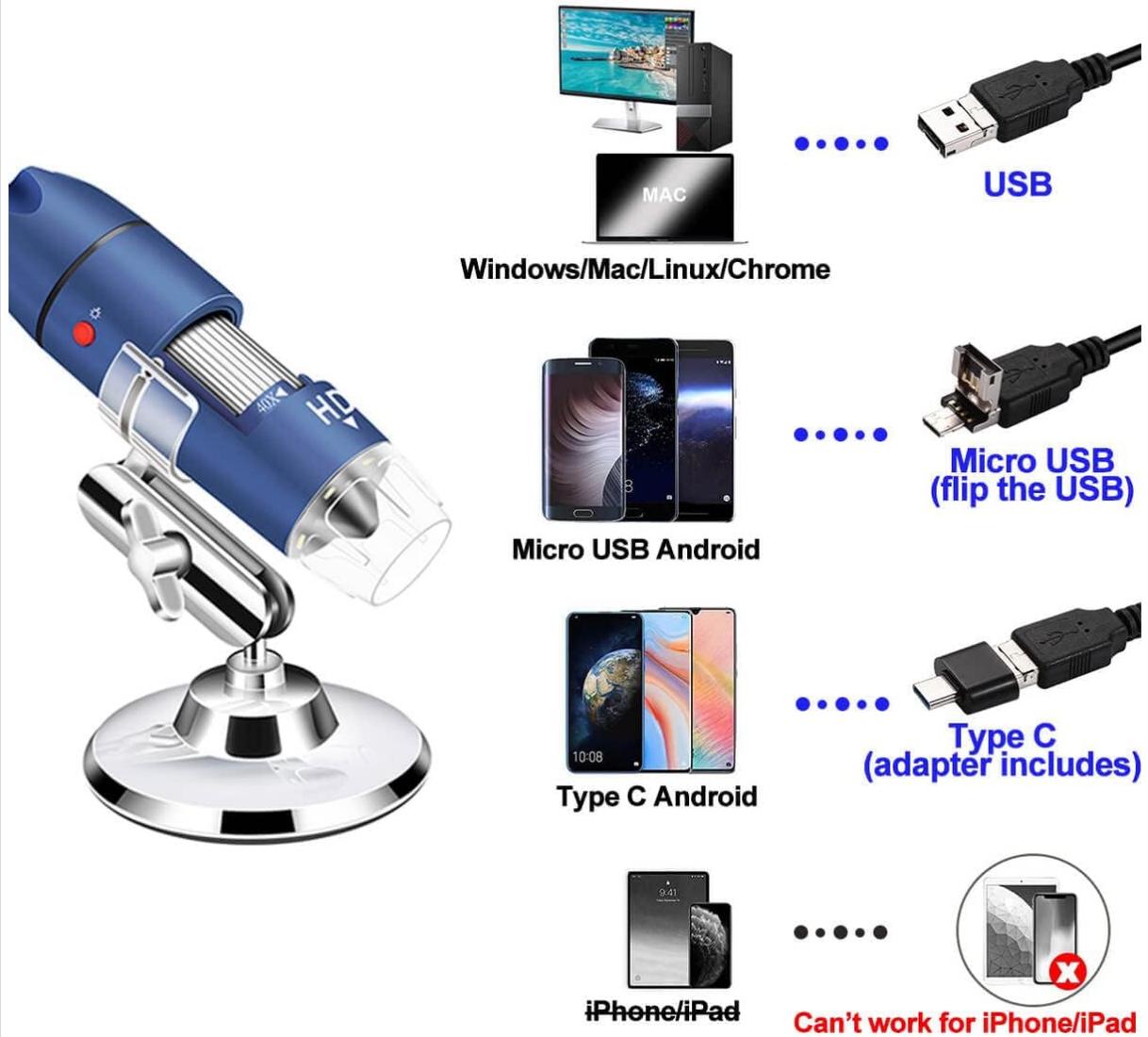
Image: Diagram illustrating the 3-in-1 USB, Micro USB, and Type-C connectivity options for the Ninyoon USB 2K Digital Microscope with various devices (PC, Android phones/tablets).

OPERATING INSTRUCTIONS

1. Software Installation

Before using the microscope, you need to install the appropriate software or application on your device.

- **For Windows/Mac:** Download the dedicated software from the Ninyoon official website or use a generic webcam software.
- **For Android:** Download a compatible USB camera application from the Google Play Store. Search for "USB Camera" or "OTG Camera".
- **For Linux/Chrome OS:** The microscope may be recognized as a standard webcam. Use your system's default camera application or a compatible third-party software.

2. Power On and Adjust Lighting

Once connected and software is launched, the microscope's LED lights will illuminate. You can adjust the brightness using the brightness wheel located on the cable.
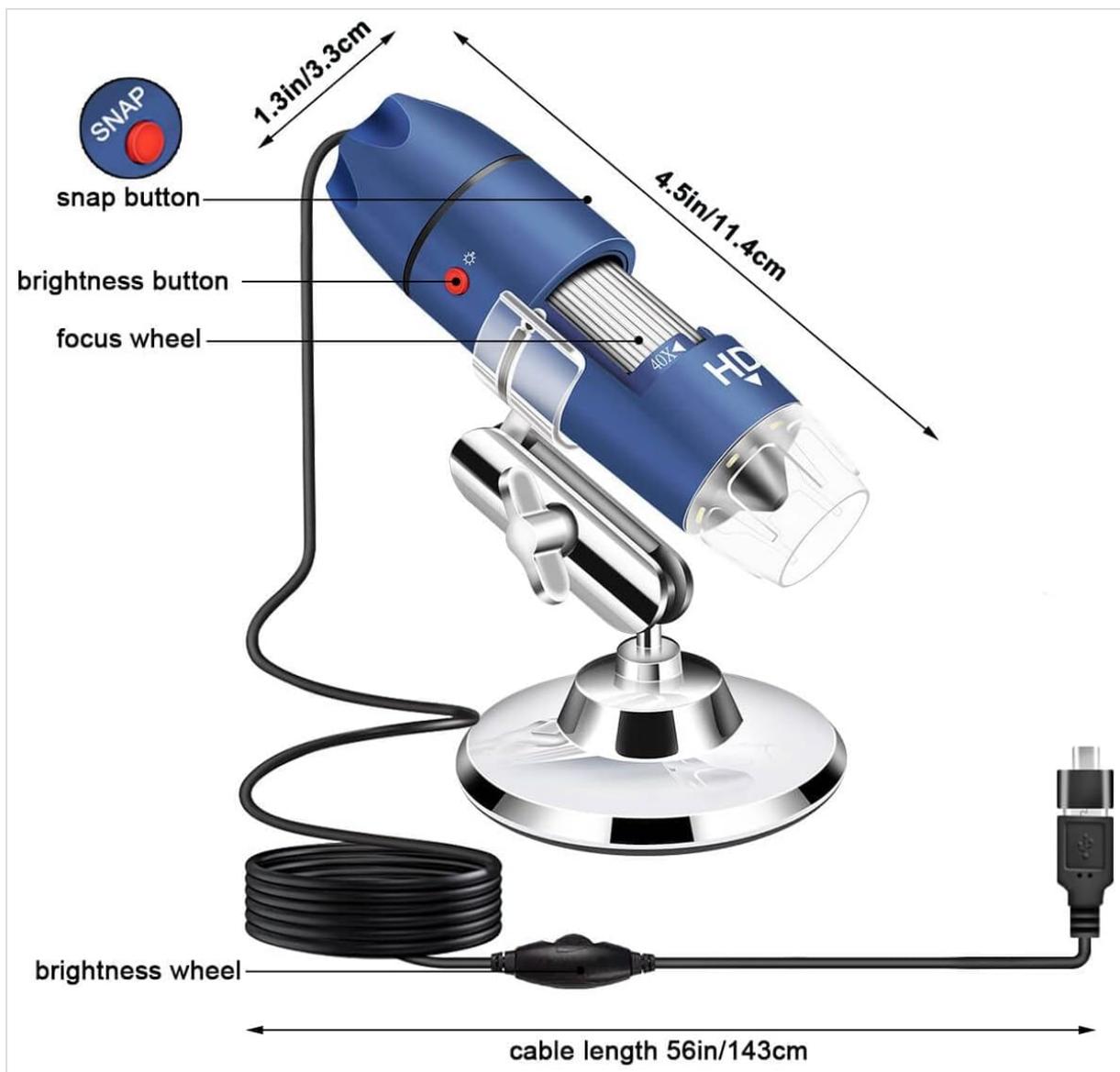
Image: Close-up of the Ninyoon USB 2K Digital Microscope showing the snap button, brightness button, focus wheel on the microscope body, and the brightness wheel on the cable.

3. Focusing and Magnification

Place the object you wish to observe directly under the microscope lens.

1. Rotate the **focus wheel** on the microscope body to bring the image into clear view on your device's screen.
2. Adjust the distance between the microscope lens and the object to change the magnification (40X to 1000X). Finer adjustments can be made with the focus wheel.

4. Capturing Images and Videos

Use the **snap button** on the microscope body to capture still images. Most compatible software will also have an option to record video directly from the application interface.

Image: The Ninyoon USB 2K Digital Microscope connected to a laptop, displaying a magnified view of a circuit board at 2560x1440 resolution.

MAINTENANCE

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses to gently clean the microscope lens. Avoid abrasive materials or harsh chemicals.
- **Storage:** When not in use, store the microscope in its original box or a protective case to prevent dust accumulation and physical damage.
- **Cable Care:** Avoid bending or twisting the USB cable excessively to prevent internal damage.
- **Environmental Conditions:** Keep the microscope away from extreme temperatures, high humidity, and direct sunlight.

TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No image on screen / Device not recognized	Incorrect connection, missing software/drivers, incompatible device.	- Ensure the USB cable is fully inserted into both the microscope and the device. - Verify that the correct software/app is installed and running. - Check device compatibility (not for iPhone/iPad). - Try a different USB port or device.
Image is blurry	Improper focus, incorrect distance from object.	- Rotate the focus wheel on the microscope until the image is clear. - Adjust the distance between the microscope lens and the object.
LED lights not working	Microscope not powered, brightness set to minimum.	- Ensure the microscope is properly connected to a powered USB port. - Adjust the brightness wheel on the cable.
Cannot capture images/videos	Software issue, insufficient storage.	- Ensure your software/app has permission to access the camera and storage. - Check available storage space on your device. - Restart the software/app or your device.

PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Ninyoon
Model Number	Ninyoon-050
Color	Blue
Resolution	2K (2560x1440P)
Magnification	40X - 1000X
Compatible Devices	PC (Windows, Mac, Linux, Chrome OS), Android Smartphones & Tablets (OTG compatible)

Feature	Detail
Connectivity	USB (3-in-1: Standard USB, Micro USB, Type-C)
Light Source Type	LED
Voltage	5 Volts
Item Weight	150 Grams
Package Dimensions	13.5 x 13.3 x 4.7 cm
Country of Origin	China

WARRANTY AND SUPPORT

The Ninyoon USB 2K Digital Microscope comes with a **lifetime manufacturer's warranty**.

For technical support, troubleshooting assistance, or warranty claims, please contact Ninyoon customer service through the platform where you purchased the product or refer to the contact information provided in the included instruction manual.