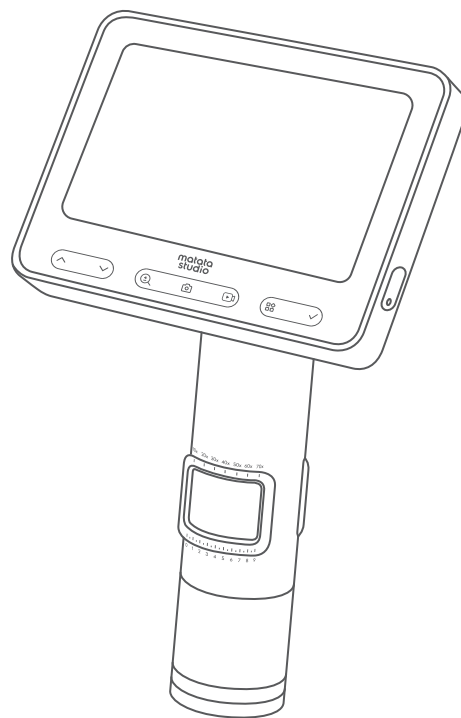


matata
studio



Digital Microscope MX2-A

Product Description

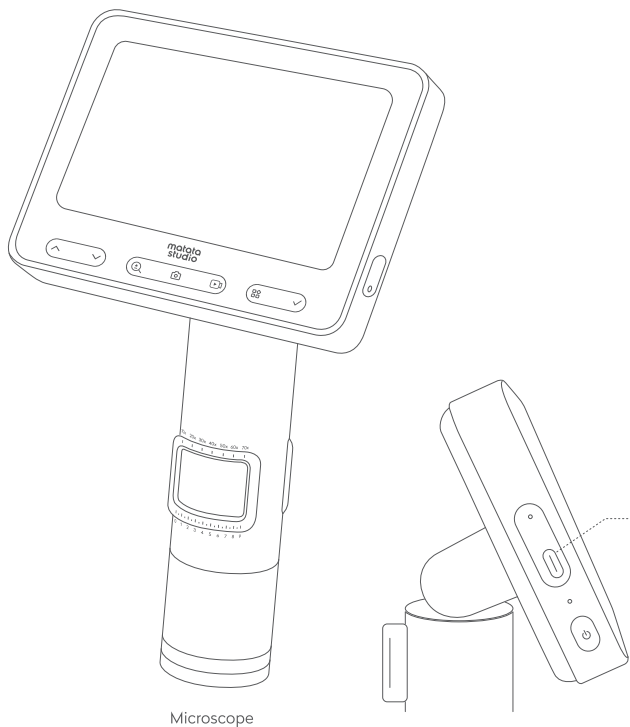
Thank you for choosing the MatataStudio Digital Microscope MX2-A. This high-performance, multifunctional device seamlessly integrates optical microscopy with digital imaging, delivering high-definition images and videos for precise observation and recording.

Important Information

- Read instructions carefully and use the microscope properly.
- Protect the objective.
- Avoid excessive force when docking.
- Place specimens directly under the objective center for a clear view.
- This product is compatible with the MX Stand. When used together, it can observe flowers, insects, and other physical samples, as well as slide specimens.

Microscope components and use

Microscope component



Usage environment



Use in an environment of -10C~45C



Please do not allow water, beverages or corrosive liquids get the microscope wet



Please do not allow the microscope to come close to heat sources, open flames, or flammable / combustible liquids or gases



Please do not allow dust to enter the lens or interior of the microscope



Please do not allow the microscope to be struck or violently shaken

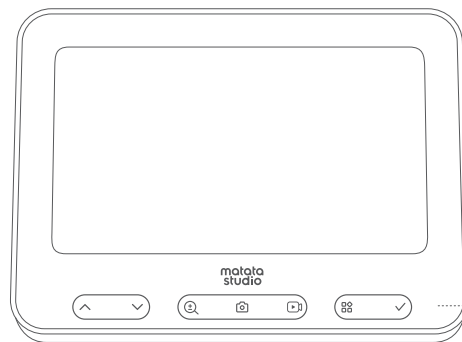
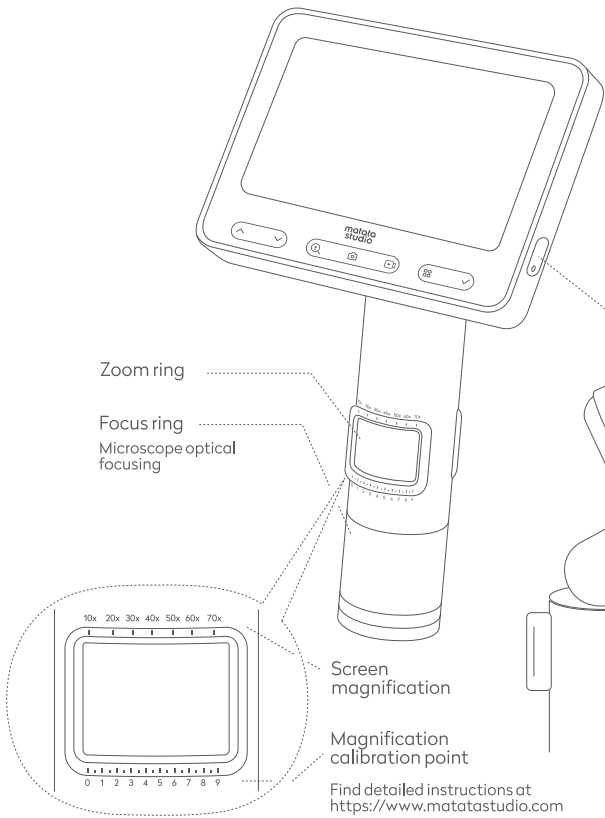
In low temperatures, battery capacity may decline. In the event of malfunction, please contact customer service for repairs. Disassembling the microscope on one's own violates the warranty and may lead to irreparable damage.

Charging

- When powered off, the red light stays on while charging.
- When in use, both red and blue lights are on while charging.

Using the microscope

Before using the microscope, make sure you are holding it securely or is placed on a table.



8GB micro SD card (built-in)

Pinhole restart button

USB-C data / charging interface
Use to charge and to connect computer software

Power button
Press and hold for 3 seconds to turn on or off

Up arrow button
Observation: Press to increase brightness by one level.
Settings: press to select the upper option.

Down arrow button
Observation: Press to decrease brightness by one level.
Settings: press to select the lower option.

Digital mag / minification button
Press to digitally mag / minify.

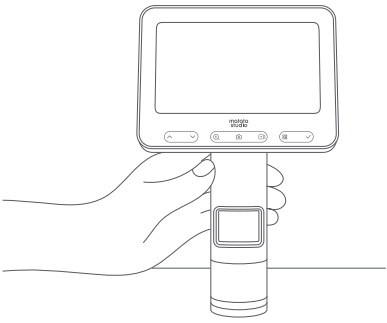
Take photo
Take a photo of the object currently being observed.

Take video
Take a video of the object currently being observed.

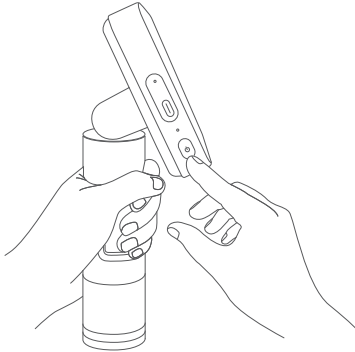
Settings button
Press to enter the settings menu.

Confirm button
Click to confirm the selected option.

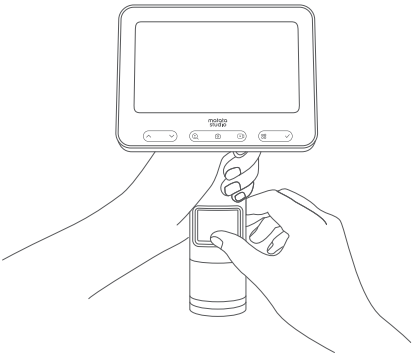
Steps for use



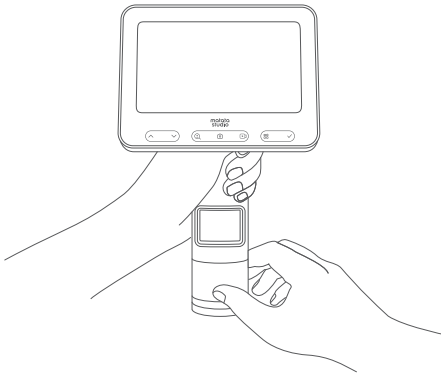
1. Hold the top of the microscope tube in one hand.



2. Turn on the microscope.

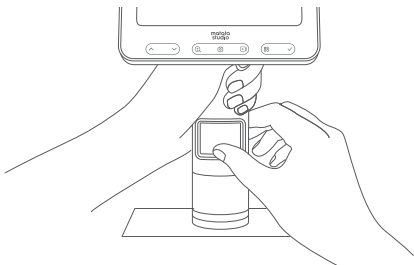


3. Point the microscope at the object you wish to observe.

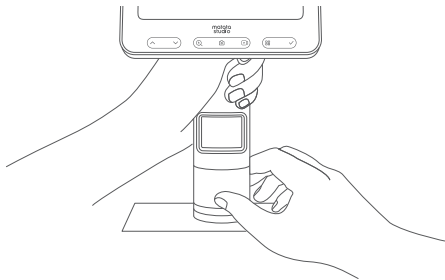


4. Turn the zoom ring and focus ring with your other hand, looking at the display on the screen. Slowly adjust to the best magnification.

Adjust microscope magnification



Turn the zoom ring counterclockwise to magnify or clockwise to minify.



Turn the focus ring counterclockwise and clockwise to focus.

Using the app



Scan the QR code or follow the link to download the app (<https://www.matatastudio.com/software.html>)



Android / iOS devices

-Open your device and turn on WiFi
In the settings turn on WiFi.



-Connect the microscope to the Android / iOS device
Click the Connect WiFi button on the APP to enter the WiFi settings page, select the WiFi corresponding to the microscope WiFi signal name (MX2-XXXXXXX) and connect. Return to the main interface in the app and wait for the "Start Observation" text to be displayed.



Note: If a connection notification appears, tap "maintain connection" (Android) or tap "OK"; When connecting the app to the microscope, please allow location permission on your phone / tablet.

-Start observation

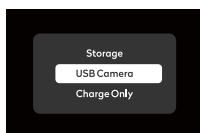
After clicking to start observation, you will enter the real-time image preview page, where you can control the microscope to take photos, record videos.



PC

-Connect data cable

Plug one end of the microscope USB data cable into the computer USB port, and the other end into the microscope USB-C interface. At this time, the microscope will display 3 options (memory, camera, charging). Select the "camera" option and confirm.



-Using on a PC

After connecting to the computer, it will take 1-3 seconds to automatically install the driver, then open MatataXplore, and you can view the images in real time on the computer and edit the images

Specifications

Product name	Intelligent microscope
Product model	MX2-A
Sensor resolution	1980(H)x1080(W)
Pixel specifications	2MP
Objective	0.5-4x
Screen magnification	9-72x
Screen size	4.3" HDLCD screen

Parts list



Digital Microscope MX2-A



Observation chamber



USB-C data cable



8GB micro SD card (built-in)



User guide



Exploration manual

Safety instructions

- *This product is not intended for use by children under the age of three.
- *The power adapter (not included in the box) is not a toy. Keep it out of the reach of children.
- *This product shall only be used with a transformer for toys
- *Disconnect the product from the power supply before cleaning. Clean the product with a dry, fiber-free cloth.
- *Children should play the product under the guidance of an adult.
- *Falling even from a low height can damage the product.
- *Never rebuild and/or modify this product to avoid malfunctioning.
- *Do not use or charge the product in temperatures outside its operating range.
- *If this product is not to be used for a long period of time, fully charge it before storage and recharge it at least once every three months.
- *Use only a recommended power adapter (5V/2A) to charge the product.
- *Regularly check whether the cable, plug, shell or other components are damaged. If damaged, stop using immediately.

CAUTION

Risk of explosion if batteries are replaced by an incorrect type. Return the used batteries according to the relevant statutory regulations.

Warranty terms

- *Product warranty period is 1 year
- *The following situations are not covered by free warranty:
 - a. Unable to present this warranty certificate and valid invoice
 - b. This warranty certificate contains traces of alteration or is inconsistent with the product
 - c. Natural consumption/wear and aging of consumable materials
 - d. Damage caused by lightning strikes or other electrical system reasons
 - e. Damage caused by improper use by users, such as liquid injection/external force damage, etc.
 - f. Damage caused by force majeure factors such as accidents/disasters
 - g. Products that have been disassembled/modified/repared by yourself
 - h. Damage caused by exceeding the warranty period or not using/maintaining/storing the product in accordance with the product instructions



This device complies with the essential requirements and other relevant provisions of the Low Voltage Directive 2014/35/EU, the EMC Directive 2014/30/EU, the Eco-Design Directive 2009/125/EC and the ROHS Directive 2011/65/EU.



WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)

The WEEE marking indicates that this product should not be disposed with regular household waste at the end of its life cycle. This regulation is created to prevent any possible harm to the environment or human health.

This product is developed and manufactured with high quality materials and components which can be recycled and/or reused. Please dispose this product at your local collection point or recycling centre for electrical and electronic waste. This will make sure that it will be recycled on an environmentally friendly manner, and will help to protect the environment in which we all live.



This user guide contains important information, please keep it!

FCC Caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Designed by
MATATALAB CO., LTD. in China