Guangzhou Micro-shot Technology Co., Ltd

Inverted LED Fluorescence Attachment

MI-BG(U)-LED
IX73
User Manual

Website:www.m-shot.com
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Thank you for buying our product!

This unit is a precision optical instrument. Our product has been design to provide the highest level of safety, however, improper operation or negligence in following the instructions in this manual may cause personal injuries and property losses. In order to ensure your safety, prolong the life of this unit and maintain it properly, please read this manual carefully before operating this unit.

Warning

- Do not use or place the instrument in the place with high temperature, humidity or dust for a long time
- Suitable working temperature: 5 ℃ to 35 ℃
- Suitable relative humidity 20% to 80% (25 ℃)

Note: do not immerse the instrument in water or solvent

Note: do not place accessories not provided by our company in the frame body or other **t**ransmission parts

Maintenance and storage

1. Wipe and clean all glass components with gauze. In order to remove fingerprints or other oil stains, use a very small amount of 2 parts of ether + 1 part of ethanol mixture solution as cleaning agent, wet the gauze and wipe it gently.

⚠ Ether and ethanol are extremely flammable and must be handled with care. Be careful not to put these chemicals near open flames and possible sources of spark, such as switches. Be sure to use it in a well ventilated room.

2. For the non optical parts of the device, do not use organic solvent to wipe, but clean cloth can be used. If it is very dirty, please use a soft cloth with a small amount of neutral detergent to wipe.

3. Do not disassemble any part of the device arbitrarily, or it may cause failure or reduce performance.

Content

I. **Components**

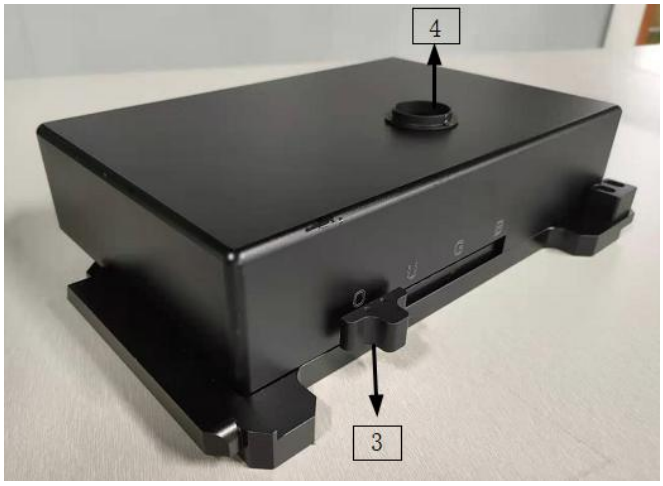
No.	Name	Quantity	Unit
1	Attachment body	1	set
2	Power adapter	1	piece

II. **Specifications**

B excitation group	EF 480/30nm; DM LP505nm; EM 535/40nm
G excitation group	EF 540/25nm ; DM LP570nm; EM 605/55nm
UV excitation group	EF 330-380nm ; DM LP400nm; EM 420nmLP
Light source	3W LED cold light
Observation	Fluorescence, bright field
Transfer mode	Blue, green, UV and bright field observation by wheel
Brightness adjustment	Continuous adjustment
Input power	DC12V 2A
Matched microscope	Olympus IX53, IX73

Ⅲ. Parts name

1.Brightness adjustment knob 2. DC power adapter 3.Fluorescence light port 4.Fluorescence filter groups swithing



Functions：

1. Label 1: brightness adjustment knob - used to adjust fluorescence brightness.

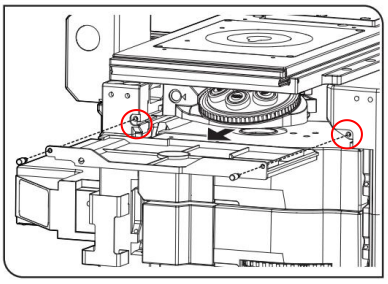
2. Label 2: DC power socket -- for normal operation of power supply.

3. Mark 3: Fluorescent light port-- allow fluorescence light pass through.

4. Label 4: Fluorescence filter groups switching - it can switch BGU three color fluorescence

Ⅳ Installation

1. Loosen the fixing screw and remove the dust tray on themicroscope as image 01



◎ This tray prevents dust, etc. from falling into the microscope. Remove and clean it on a regular basis.

1 Rotate the fixing screws (2 pcs.) to remove them.

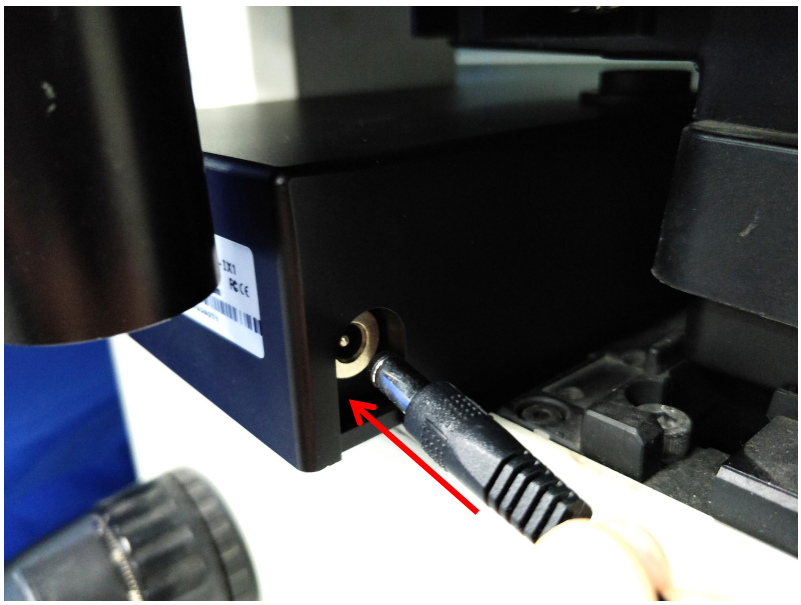
2 Slide the dust tray to remove it.

◎ Wash the dust tray with water and wipe it with the dry cloth to dry well before attaching it to the microscope.

Image 01

2. Take out the LED fluorescent module, push and pull the handle outward, push-in the LED fluorescent module taward the rail according to the pulled out dust tray trail, and lock the 2 screws back in step 1.

3.Connect the DC interface power adapter



Ⅴ Note

1. Push or pull lever to change fluorescence filter cube among blue, green, UV and bright field. The "O" channel should be used in bright field

2. If no light is emitted from the illuminator, check that the power adapter is properly connected

3. If the illuminator shakes, check the locking screw on the right side of the microscope body and lock it with a hexagonal screwdriver.