

## Applications

Widely used in electronical industry, assembly and inspection of precision instrument, dissection and study of propagation, applied in field of school, carving, geology, archeology etc.

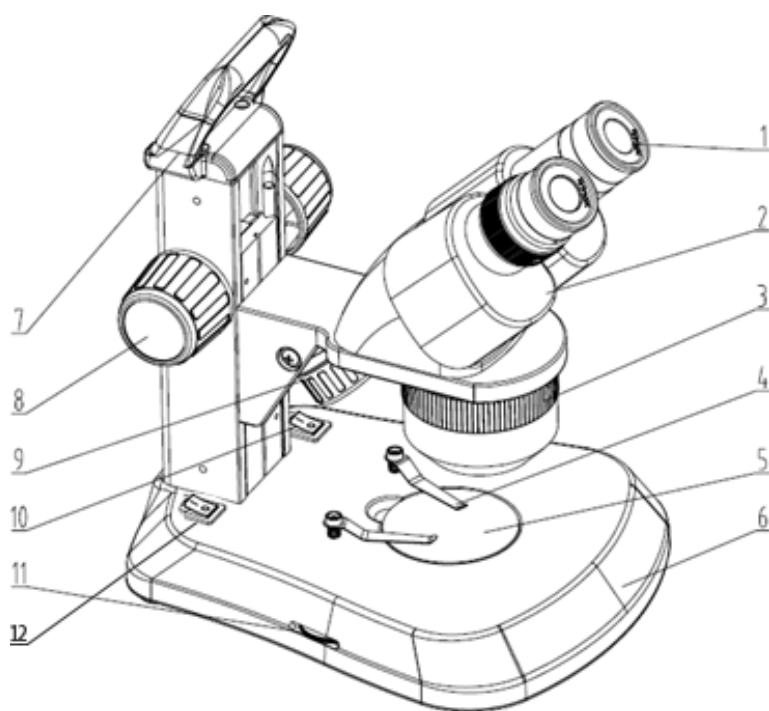
### Before use!

Please charge the built-in battery.

The power switch need to be ON, to charge the battery.



## Name of the parts and accessories



1. Eyepiece
2. Prism Box
3. Objective cover
4. Clips
5. Working stage
6. Base
7. Handle
8. Focusing Knob
9. Incident Illumination
10. Batterie charge switch  
(Needs to be ON, to charge/recharge the battery)
11. Dimmer
12. Switch over and under Light

## Main Data

### 1) Optical Data (mm)

Eyepiece			WF10x	WF20x Optional
Objective	1x	Field of View	20	10
		Working Distance	57	57
	2x	Field of View	10	6.5
		Working Distance	80	80
	3x	Field of View	6.7	4.3
		Working Distance	61	61
	4x	Field of View	5	3.2
		Working Distance	57	57

(Note: Objective: 1X/2X/3X or 1X/2X/4X. Optional eyepiece WF20X)

### 2) Electrical Data

Power Supply:  
Built in rechargeable battery pack (NB! to be changed by service technician at the supplier) or mains (power cable)

Input Voltage: 4.5V 1A

Lighting System:  
Incident Illumination LED, transmitted Illumination LED, separated brightness adjustment system

### 3) Structure data

Eyepiece: WF10X

Objective: 1X/2X/3X (Trio 123) or 1X/2X/4X (Trio 124)

45° inclined binocular head, left ocular-tube is with diopter adjustment  $\pm 5$  dp, the interpupillary distance is between 54-76 mm.

## Operation

### 1) Environment

Dry and dustless room, temperature between -5°C + 40°C.

### 2) Power control

Turn on the switch, adjust the brightness of Incident and Transmitted light by the two dimmers.

### 3) Selecting of working stage

a) Normally frosted glass stage equipped with microscope when packing, locked by screw. You can use transmit light to observe transparent object.

b) Black and white working stage is packed with the microscope accessories for choice. When use, please loosen the screw and take off the glass stage.

Normally use the white side. For white or other transparent object, you need to use black side to improve the contrast with Incident light.

#### 4) Usage of eye's cover

The eye's covers are packed with the microscope as accessory. Please put them on the eyepiece when you need.

#### 5) Focusing, Changing magnification, Adjusting diopter and interpupillary distance

Place the specimen on the centre of the working stage, rotate magnification knob (objective cover) to the lowest magnification, then turn the knob slowly till you can see clearly image on right eyepiece;

Then observe through left eyepiece, adjust diopter if not clear, then turn around the left and right prism house till the interpupillary distance are suitable.

If need to change the magnification, just turn around magnification knob (the objective cover). If necessary, you can adjust head's height by focusing knob.

#### 6) Battery and power supply

This model use battery or power cable. When use battery, please check that the battery is charged properly. Please note that, the power switch need to be ON, to recharge the batterie.

When use power cable, please input the plug to the socket on microscope.

#### LED lamp and battery replacement

##### 1) Replace the lamps

Contact the supplier for replacement of the lamps.

##### 2) Replace battery

Contact the supplier. The battery must be replaced by the supplier.

#### Maintaining and storage

1) Microscope is a precision instrument, you should place carefully, avoid impact during transportation.

2) Put it in a dry and clean place, avoid high temperature and shock.

3) Do not touch the lens directly by your finger.

4) Keep the optical surface clean, dust on the surface you can wipe off by hair drier.

5) Do not use organic things to wipe the surface of the microscope, especially plastic surface, please clean with natural scour.

6) All the optical and mechanism part are adjusted and could not take apart by yourself.

7) Add grease on moving part regularly.

8) Put the microscope in a cool and dry place and cover it with dust cover when not be used for a long time.