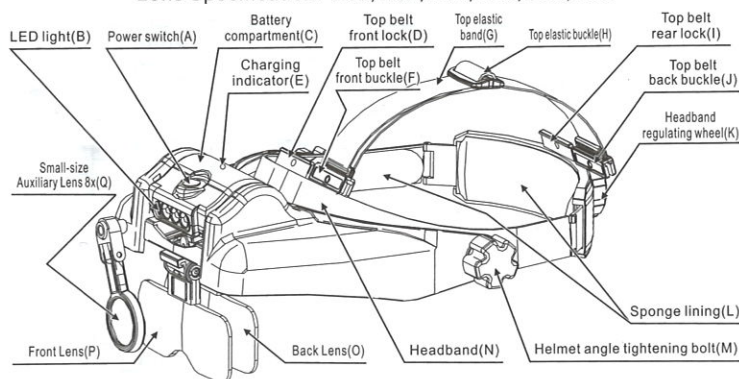


MG82000MC1

3LED Rechargeable Helmet Magnifier

Rechargeable battery model: 602030 Voltage: 3.7V Capacity: 300mAh

Lens Specification: 1.0x, 1.5x, 2.0x, 2.5x, 3.5x, 8.0x



This product is a wide-angle headwear magnifying glass with LED light source. The appearance, headband, and lenses of this magnifying glass have been newly designed, suitable for various daily life and work needs, such as mechanical manufacturing, electronic maintenance, jewelry appreciation, clock repair, carving art, elderly reading, reading mobile phones, etc.

Product features:

1. There are three LED light sources (B) in front of the helmet, which have a large and uniform lighting area and can freely adjust the illumination angle.
2. LED light source (B) has adjustable brightness levels for soft and strong light, meeting different brightness requirements and protecting vision.
3. The independent adjustment of the tension wheel at the back of the headband allows for easy adjustment and fixation of the headband. The inner circumference of the headband is equipped with a shaped wrapped sponge, which is comfortable to wear and helps with breathability and sweat wicking function, extending working hours.
4. Add a longitudinal headband (G) to reduce the pressure on the head circumference when wearing, and distribute the headband magnifying glass's pressure on the head circumference to the top of the head, making the head feel more comfortable and less prone to fatigue after prolonged work.
5. The large-sized headband angle adjustment elastic wheel (M) can be adjusted during wearing and can be easily tightened. Independent lens design, if one lens is needed (with longer focal length and smaller magnification), it can be folded up and folded up when not in use.
7. Two main lenses with different magnifications. For general objects, only the front lens (P) needs to be used, and the rear lens (O) can be folded up. For small objects, the rear lens (O) can be used, and the front lens (P) can be folded up. If you feel that the magnification is insufficient, you can use both the front and rear lenses at the same time to achieve higher magnification. You can also replace the three high-power lenses that come with the product. They can be installed separately in two lens slots to achieve a combination effect of multiple magnifications. The maximum magnification can reach 14x.

8. All lenses can be folded and folded up. If only a single lens or any combination of two lenses is needed, idle lenses can be flipped and folded up, making the use of lenses more flexible.
9. The lens is installed on a sliding track and can adjust the distance between the lens and the glasses. When the lens is away from the eyes, the field of view is farther, and when the lens is close to the eyes, the field of view is wider.
10. Efficient rechargeable battery, which can be fully charged in just 1.5 hours, supports LED soft light continuous operation for 5 hours and strong light operation for 2.5 hours. It greatly extends LED working time and does not require frequent battery replacement, making it more economical and practical.
11. The product is equipped with a lens storage box, which allows unused rear lenses to be placed in the box for easy cleaning and portability.

Operating instructions:

1. Disassembly and installation of lenses:

- A. Hold the left and right ends of the lens with your fingers and gently apply force outward to remove the lens. (Fig. 1)
 - B. Select the desired multiple lens from the lens box, align the connector directly above the lens with the lens slot and insert it. (Fig. 2)
 - C. Please place the replaced lenses in the lens storage box. (Fig. 3)
2. Adjusting the angle of the headwear shell and the tightness of the headband:
 - A. Rotate the tightening nuts (M) on both sides of the headwear housing counterclockwise, adjust the angle of the headwear housing to a suitable angle, and then tighten the nuts (M) clockwise (Fig. 4)
 - B. Pull the tension adjustment wheel (K) at the back of the headband out about 3mm, rotate clockwise to tighten the headband, and counterclockwise to loosen the headband. Adjust the headband to the appropriate tension range and press the tension adjustment wheel (K) to lock it. (Fig. 5)
 - C. The length of the elastic top strap (G) can be adjusted, and the length of the elastic top strap (G) can be shortened by passing it to the left through the top strap loosening buckle (H); To the right, the length of the elastic top strap (G) can be increased by passing the elastic top strap buckle (H), and the adjustment of the length of the elastic top strap depends on the individual's head shape (Fig. 6)
 - D. The elastic top strap is detachable and can be removed by pushing the front buckle and rear buckle left or right (Fig. 7)

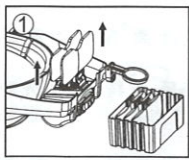
3. LED light source brightness and angle adjustment:

- A. The LED light source (B) can be adjusted by 15 degrees in both left and right angles (Fig. 8)
- B. The LED light source (B) can be adjusted from 0 to 45 degrees upwards and downwards (Fig. 8)
- C. The LED light source (B) has two adjustable brightness levels. The first press of the power switch (A) turns on soft light, the second press of the power switch turns on strong light, and the third press of the power switch turns off the LED light source (Fig. 9)

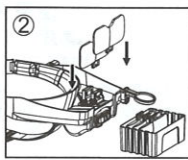
4. Battery charging:

- A. When the brightness of the LED light source (B) significantly decreases, it indicates that the battery is about to run out and needs to be charged.
- B. After flipping the tail of the LED charging battery compartment (C) upwards by 30 to 45 degrees, charging can be carried out directly. (Fig. 10)
- C. Connect the charging cable microphone head to the charging socket on the back of the charging battery compartment (C), and then connect the charging cable USB head to the USB power socket for charging, or connect the USB to the 5V USB charging socket, and then connect the charger to the 110V-240V power socket for charging.

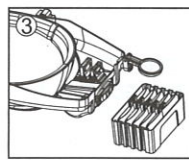
Schedule:



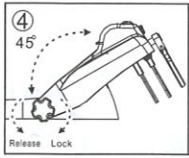
Removing lenses



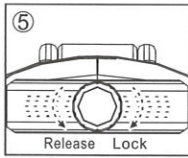
Installing lenses



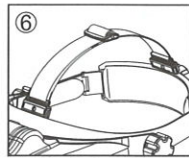
Lens storage box



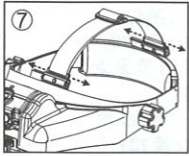
Headwear shell angle adjustment



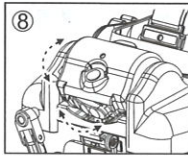
Pull out the knob 3mm to adjust the tightness of the headband



Elastic top strap adjustable length

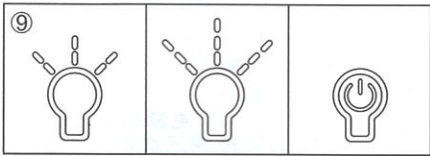


Disassembly and installation elastic top strap



Light angle adjustment

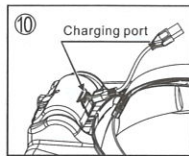
Rechargeable battery parameters	
Input voltage	110-240V
Frequency	50Hz
Output voltage	5V
Light power	0.21W
Power waste	0.31W



Soft light

Strong light

Power-OFF



Open the battery box at a 15 degree angle to expose the charging port

Safety precautions:

- In order to prevent fire, please do not put the lens in the sunshine.
- For safety, please never use a magnifying glass to observe the sun.
- If there is dirt, please gently wipe it with soft cloth such as spectacle cloth.
- Please do not use banana water, alcohol, gasoline and other liquids to contact the magnifying glass.

Comparison Table of Combined Lens Magnifications and Focal Lengths		
Lens Type	Magnification	Focal Length
Main lenses	1x	500mm
	1.5x	330mm
	2x	250mm
	2.5x	200mm
	3.5x	142mm
Small-size Auxiliary Lens	8x	62.5mm
Composite lenses (two main lenses)		
Lens multiple	Combined Magnifications	Combined Focal Lengths
1x+1.5x	2.5x	200mm
1x+2x	3x	165mm
1x+2.5x	3.5x	142mm
1x+3.5x	4.5x	110mm
1.5x+2x	3.5x	142mm
1.5x+2.5x	4x	125mm
1.5x+3.5x	5x	100mm
2x+2.5x	4.5x	110mm
2x+3.5x	5.5x	90mm
2.5x+3.5x	6x	83mm
Composite lenses (a main lens+small-size auxiliary lens)		
1x+8x	9x	55mm
1.5x+8x	9.5x	52mm
2x+8x	10x	50mm
2.5x+8x	10.5x	47mm
3.5x+8x	11.5x	43mm
Composite lenses (two main lenses+small-size auxiliary lens)		
1x+1.5x+8x	10.5x	47mm
1x+2x+8x	11x	45mm
1x+2.5x+8x	11.5x	43mm
1x+3.5x+8x	12.5x	40mm
1.5x+2x+8x	11.5x	43mm
1.5x+2.5x+8x	12x	41.5mm
1.5x+3.5x+8x	13x	38mm
2x+2.5x+8x	12.5x	40mm
2x+3.5x+8x	13.5x	37mm
2.5x+3.5x+8x	14x	35mm