



Instruction Manual

HEAD MOUNTED MAGNIFIER

81007BC

PROFESSIONAL OPTICAL MAGNIFICATION SYSTEM

PRODUCT SUMMARY

HEAD MOUNTED MAGNIFIER

Professional Optical Magnification System

Rechargeable Battery
Model : 702025

Voltage : 3.7 V

Capacity : 300 mAh

OPTICAL CONFIGURATION

Lens Size	85 × 30 mm
Four Magnification Levels	1.5× · 2.0× · 2.5× · 3.5×
Corresponding Focal Lengths	333 mm · 250 mm · 200 mm · 142 mm

TECHNICAL OVERVIEW

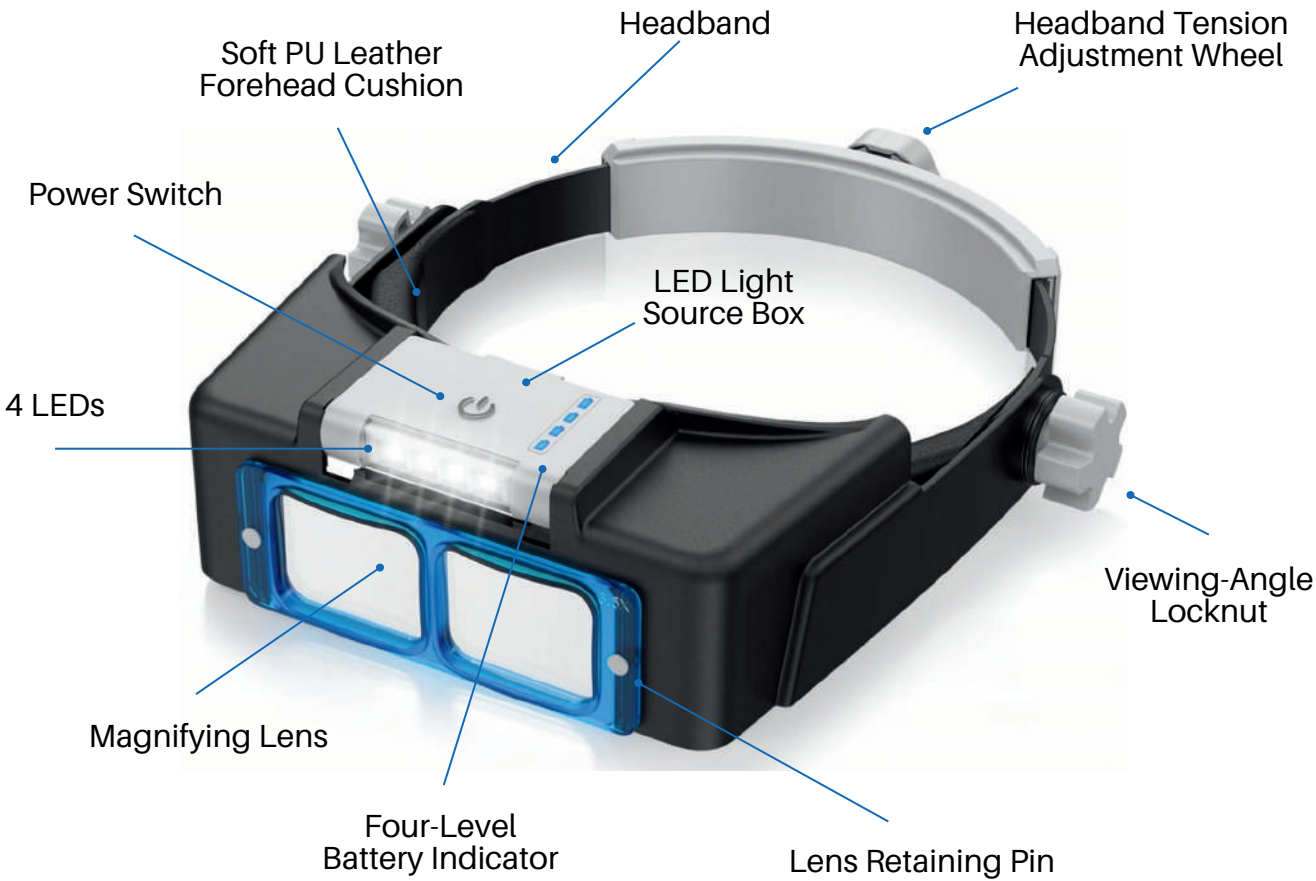


Fig. 1

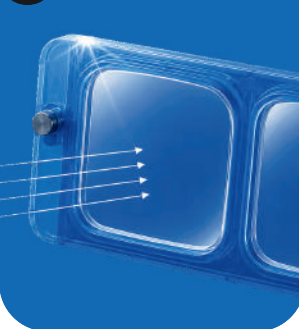


4 Interchangeable Lenses

4 interchangeable lenses provide magnification for different viewing distances and precision requirements.

Magnification	Focal Length
1.5×	333 mm
2.0×	250 mm
2.5×	200 mm
3.5×	142 mm

Fig. 2



5H Reinforced Lens Surface

The reinforced acrylic lens surface has a 5H hardness rating, helping improve scratch resistance, maintain optical clarity and provide greater durability during repeated use.

Fig. 3



Secure Lens Installation

The selected lens aligns with the front mounting points and is secured in place using the two lens-retaining pins, allowing stable positioning and convenient replacement when required.

Fig. 4



USB-C Charging

The built-in rechargeable battery charges through the supplied USB-A to USB-C cable and reaches full charge in approximately 1.5 hours.

Fig. 5



LED Illumination and Battery-Level Display

Four integrated LEDs provide two brightness levels, while four illuminated indicators show the approximate remaining battery level during operation.

Fig. 6



Soft PU Leather Forehead Cushion

Soft PU leather padding on the forehead cushion enhances comfort, improves grip and helps provide a more secure and stable fit during extended use.

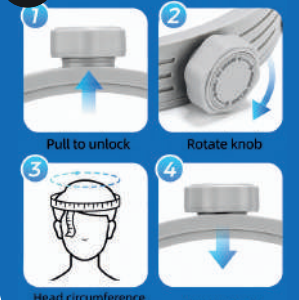
Fig. 7



Viewing-Angle Adjustment

Loosen the locknuts on both sides, adjust the magnifier to the desired viewing angle, then tighten both locknuts to secure it in position.

Fig. 8



Headband Tension Adjustment

Pull the rear adjustment wheel outward to unlock it. Rotate the wheel to loosen or tighten the headband to the desired fit, then press it inward to lock the selected adjustment.

OPERATING INSTRUCTIONS

- 1** Press once for low brightness, twice for high brightness and three times to switch the LEDs off. Runtime: 6–7 hours on low and 3–4 hours on high. (Fig. 5)
- 2** Recharge the unit when only the 25% indicator remains illuminated. If it begins flashing, charge the unit immediately. (Fig. 5)
- 3** Lift the light source box and connect the supplied USB-A to USB-C cable. Charging takes approximately 1.5 hours and is complete when the 100% indicator stops flashing. (Fig. 4)
- 4** Do not use the LED illumination while charging, as this may cause excessive heat or damage to the battery or charging circuit.

USB POWER SOURCE / DEVICE PARAMETERS

Adapter Input Voltage	Frequency	Adapter Output Voltage	Rated Power	Maximum Power Consumption
110–240 V AC	50 Hz	5 V DC	4 W	5 W

SAFETY PRECAUTIONS

- 1** Keep the magnifying lenses away from direct sunlight. Focused sunlight may create a fire hazard.
- 2** Never look at the sun through the magnifying lenses, as this may cause permanent eye damage.
- 3** Clean the lenses gently with the supplied wipe cloth.
- 4** For heavier marks, lightly dampen a soft, lint-free cloth with water and a small amount of mild detergent. Wipe again with a clean damp cloth and dry thoroughly.
- 5** Do not use alcohol, gasoline, solvents, abrasive materials or other harsh chemicals on the lenses or housing.