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> [YOCTOSUN Magnifying Glasses with Light - Rechargeable Head Magnifier \(Model UGV3-C1\) - Instruction Manual](#)

## YOCTOSUN UGV3-C1

# YOCTOSUN Magnifying Glasses with Light

Rechargeable Head Magnifier (Model UGV3-C1)

## INTRODUCTION

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Thank you for choosing the YOCTOSUN Rechargeable Head Magnifier Glasses. This device is designed to provide enhanced visibility and illumination for detailed tasks, hobbies, and crafts. With interchangeable lenses and adjustable LED lighting, it offers versatility and comfort for various close-up work.



Figure 1: YOCTOSUN Magnifying Glasses with Light, showing the main unit and lens case.

The magnifying glasses are ideal for activities such as cross-stitch, reading, painting, observing, modeling, repairing, sewing, soldering, and jewelry making, allowing you to see objects magnified up to 500% of their original size with high clarity.

## WHAT'S IN THE BOX

Your YOCTOSUN Magnifying Glasses package includes the following components:

- 1 x Magnifying Glasses Frame with Integrated LED Lights
- 4 x Detachable Magnifying Lenses (1.5X, 2.5X, 3.5X, 5X) in a protective case
- 1 x Adjustable Head Strap
- 1 x USB Type-C Charging Cable
- 1 x Small Phillips Screwdriver (for arm adjustment)
- 1 x Cleaning Cloth
- 1 x User Manual

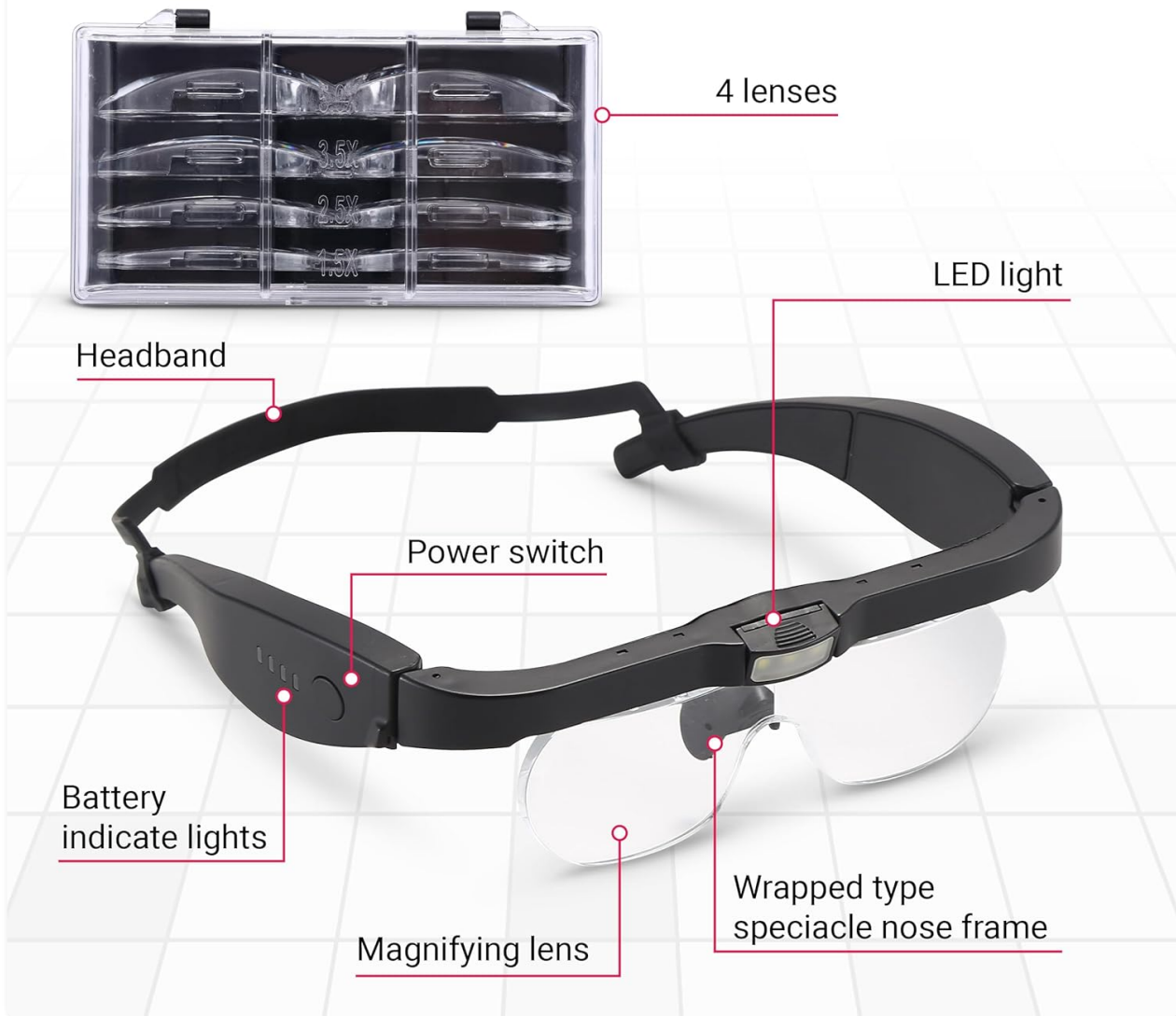


Figure 2: Labeled diagram of the magnifying glasses components, including lenses, LED light, power switch, battery indicator, and nose frame.

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Video 1: An overview of the YOCTOSUN Magnifying Glasses, demonstrating the included lenses, LED lights, and overall design.

## SETUP

### 1. Attaching Lenses

1. Select the desired magnification lens (1.5X, 2.5X, 3.5X, or 5X) from the protective case.
2. Align the tabs on the lens with the slots on the magnifying glasses frame.
3. Gently push the lens upwards until it clicks securely into place. Ensure both sides are firmly attached.



Figure 3: The four interchangeable acrylic lenses, detailing their magnification strengths and focal lengths.

## 2. Adjusting the Fit

The magnifying glasses feature an adjustable design for comfortable wear:

- **Eyeglass Arms:** The arms can be adjusted for slack using the small screws located on both sides of the frame. Use the provided Phillips screwdriver to tighten or loosen as needed for a secure fit.
- **Nose Bridge:** The wholly rubber-wrapped nose bridge is designed to lighten the load on your nose and can be gently manipulated to conform to your face shape for optimal comfort.
- **Head Strap:** For extended use or a more secure fit, attach the included rubber head strap. This helps prevent the glasses from falling and distributes pressure evenly across your head.

# ADJUSTABLE HEAD FRAME



Newly-designed eyeglass frame and wholly rubber wrapped nose bridge which can greatly lighten the load on the bridge of your nose. The **rubber head strap** can effectively prevent falling, it can fit different-sized heads, and won't put too much pressure on your temples and head.

Figure 4: Illustration of the adjustable head frame and rubber nose bridge for a comfortable and secure fit.

## OPERATING INSTRUCTIONS

### 1. Using the LED Lights

The magnifying glasses are equipped with three LED lights to illuminate your work area. The lights offer two brightness levels:

1. Locate the power switch on the eyeglasses bracket.
2. Press the switch once to turn on the low light setting.
3. Press the switch a second time to switch to the high light setting.
4. Press the switch a third time to turn off the lights.

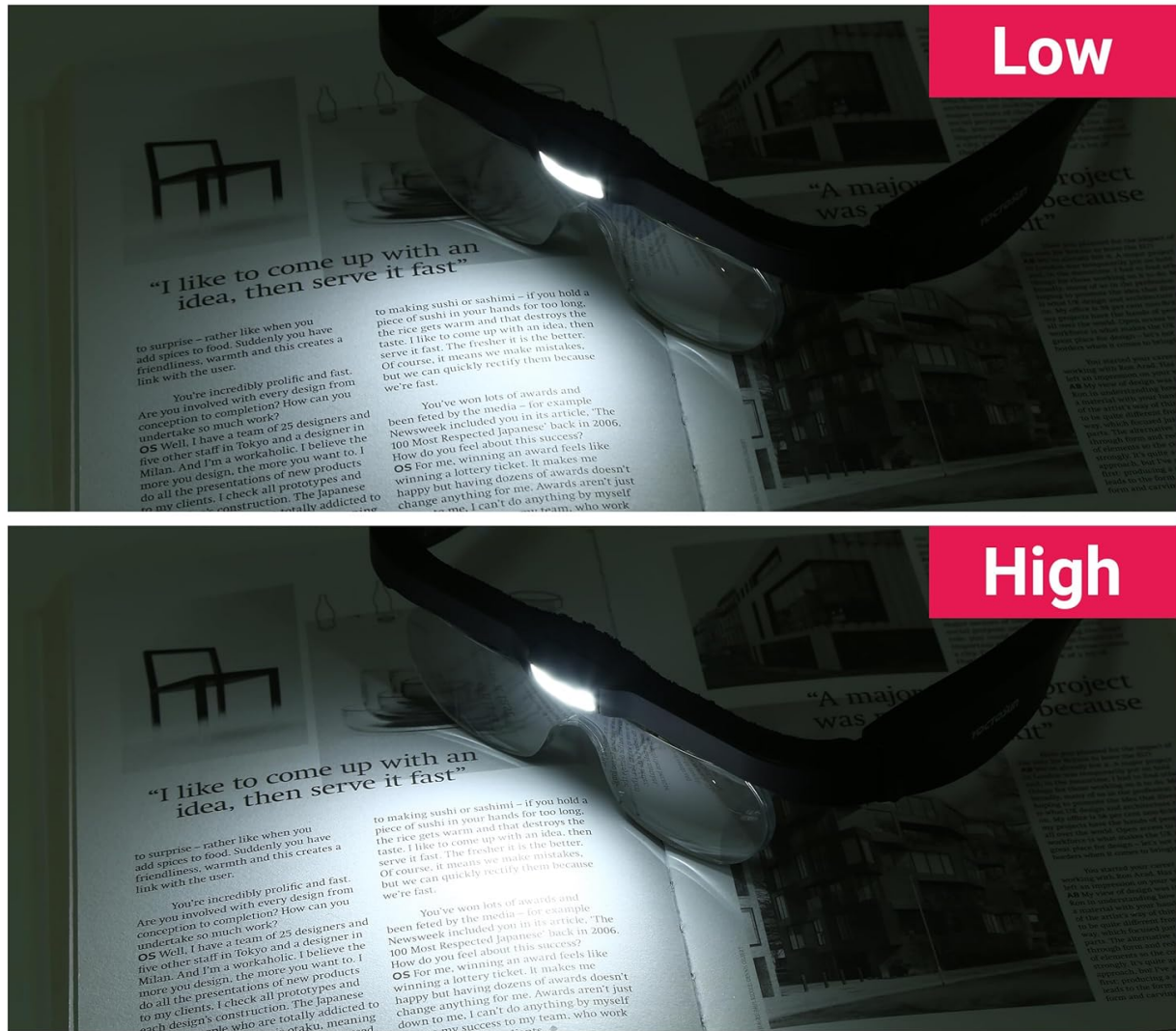


Figure 5: Comparison of the low and high brightness settings of the integrated LED lights.

## 2. Charging the Battery

The device features a built-in rechargeable lithium battery. To charge:

1. Connect the provided USB Type-C cable to the charging port on the magnifying glasses frame.
2. Connect the other end of the USB cable to a USB power source (e.g., USB wall charger, power bank, computer USB port).
3. The power indicator lights will show the charging status. A full charge typically takes approximately 1.5 hours.
4. Once fully charged, the device provides continuous operation of soft light for up to 7 hours or strong light for up to 3 hours.

# RECHARGEABLE BATTERIES

## POWER INDICATOR



Figure 6: Close-up of the USB-C charging port and LED power indicator lights, showing battery status.

## MAINTENANCE

- **Cleaning Lenses:** Use the provided soft cleaning cloth to gently wipe the lenses. Avoid using abrasive materials or harsh chemicals, which can scratch or damage the acrylic resin lenses.
- **Storage:** When not in use, store the lenses in their protective hard case to prevent scratches and damage. Store the entire unit in a clean, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in constant use.

## TROUBLESHOOTING

- **Lights not turning on:** Ensure the battery is charged. Connect the device to a power source using the USB-C cable and check the power indicator lights.
- **Lenses appear blurry or scratched:** Clean the lenses with the provided cleaning cloth. If scratches are present, they may affect clarity. Ensure lenses are stored in their protective case when not in use.
- **Uncomfortable fit:** Adjust the slack in the eyeglass arms using the small Phillips screwdriver. Manipulate the rubber nose bridge for a better fit. Consider using the head strap for added stability and comfort.
- **Battery not holding charge:** Ensure the charging cable is properly connected to both the device and a working power source. If issues persist, contact customer support.

## SPECIFICATIONS

Feature	Detail
Brand	YOCTOSUN

Model Number	UGV3-C1
Color	Black
Lens Material	Acrylic
Magnification Strengths	1.5X, 2.5X, 3.5X, 5X
Focal Lengths	1.5X: 333mm (13.11in), 2.5X: 200mm (7.87in), 3.5X: 142mm (5.59in), 5X: 100mm (3.93in)
LED Lights	3 LED, 2 Brightness Levels
Battery Type	Rechargeable Lithium Polymer (included)
Charging Port	USB Type-C
Item Weight	0.36 Kilograms (12.6 ounces)
Package Dimensions	6.73 x 5.67 x 3.11 inches



Figure 7: Detailed product dimensions for the magnifying glasses and charging cable.

## WARRANTY AND SUPPORT

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YOCTOSUN is committed to customer satisfaction. If you encounter any issues with your product, including missing parts, incorrect items, or fitment problems, please reach out to our customer care team. We are dedicated to resolving any concerns and ensuring your complete satisfaction.

You can contact us through your Amazon order for assistance.