

YOCTOSUN UGV1-C1

YOCTOSUN UGV1-C1 Headband Magnifier with LED Lights - Instruction Manual

Model: UGV1-C1 | Brand: YOCTOSUN

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1. INTRODUCTION

Thank you for choosing the YOCTOSUN UGV1-C1 Headband Magnifier. This device is designed to provide hands-free magnification and illumination for detailed tasks such as crafts, hobbies, reading, and small repairs. Please read this manual thoroughly before use to ensure proper operation and to maximize the product's lifespan.

2. PRODUCT COMPONENTS

Familiarize yourself with the parts of your YOCTOSUN Headband Magnifier:

HEAD MOUNT MAGNIFIER

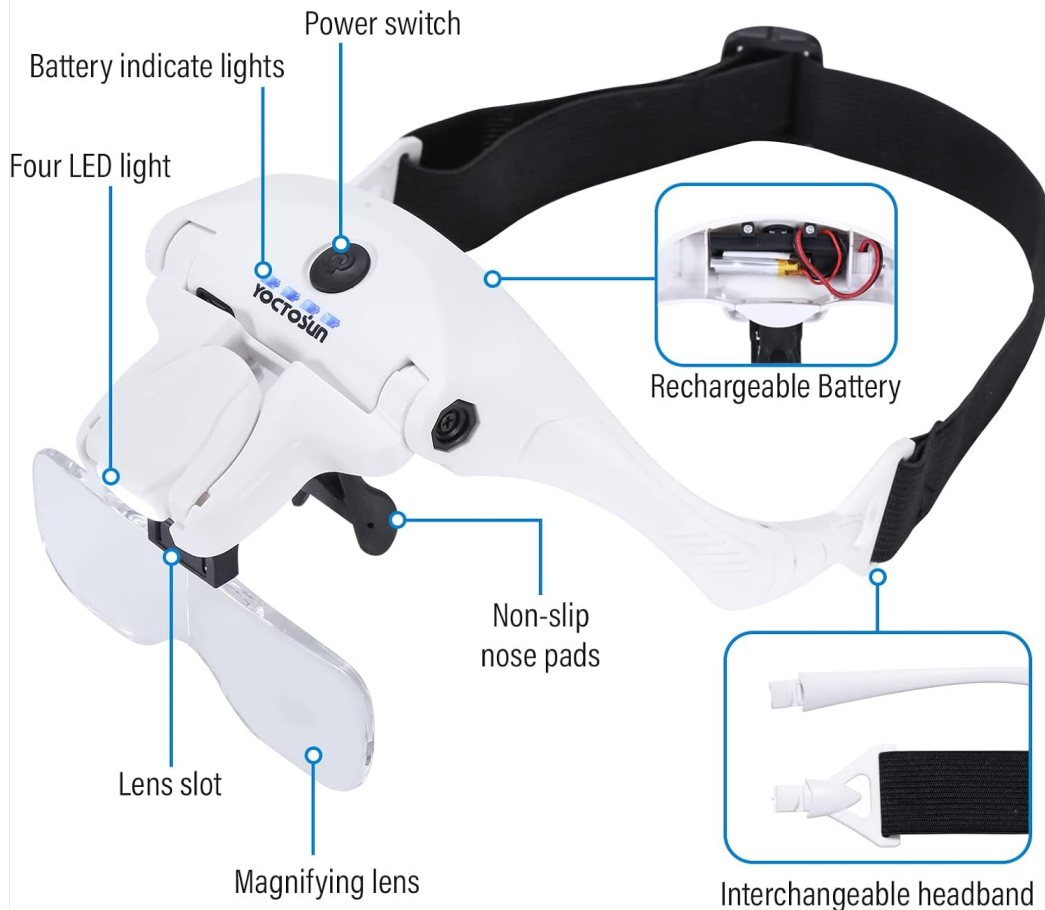


Image: Overview of the Headband Magnifier, highlighting key components such as the four LED lights, power switch, battery indicator lights, lens slot, magnifying lens, non-slip nose pads, rechargeable battery compartment, and interchangeable headband.

- **Main Unit:** Contains the LED lights, power switch, battery compartment, and frame.
- **Detachable Lenses:** Five interchangeable acrylic lenses (1.0X, 1.5X, 2.0X, 2.5X, 3.5X).
- **Headband:** Adjustable elastic strap for secure fit.
- **USB Type-C Charging Cable:** For recharging the built-in battery.
- **Lens Storage Box:** Keeps lenses organized and protected.
- **Cleaning Cloth:** For maintaining lens clarity.

3. SETUP

3.1 Charging the Battery

Before first use, fully charge the device. The built-in lithium battery is rechargeable via the provided USB Type-C cable.

1. Locate the USB Type-C charging port on the magnifier unit.
2. Connect one end of the USB Type-C cable to the magnifier and the other end to a USB power source (e.g., USB wall charger, computer USB port, power bank).
3. The battery indicator lights will show charging status. Once all lights are solid, the device is fully charged.

RECHARGEABLE DESIGN

Built-in rechargeable lithium battery

With a type C charging cable



Image: The magnifier unit with its USB Type-C charging port, demonstrating how to connect the charging cable. Also shown are examples of compatible USB power sources.

3.2 Attaching Lenses

Select the appropriate magnification lens for your task. The kit includes 1.0X, 1.5X, 2.0X, 2.5X, and 3.5X lenses.

1. Gently slide the desired lens into the lens slot on the main unit until it clicks securely into place.
2. To remove a lens, press the release button (if present) or gently pull the lens out of the slot.
3. Store unused lenses in the provided storage box to prevent scratches.

5 INTERCHANGEABLE LENSES



Image: A clear view of the five interchangeable lenses (1.0X, 1.5X, 2.0X, 2.5X, 3.5X) stored in their case, and an illustration of how to detach and attach lenses to the magnifier unit.

3.3 Wearing the Magnifier

The magnifier can be worn as eyeglasses or with an adjustable headband for a more secure fit.

- **Eyeglass Style:** Simply place the magnifier on your head like regular glasses. The non-slip nose pads and rubber-wrapped nose bridge are designed for comfort.
- **Headband Style:** For extended use or active tasks, detach the eyeglass arms and attach the elastic headband. Adjust the strap for a snug, comfortable fit around your head.



Image: Demonstrates the versatility of the magnifier, showing how to detach lenses, adjust light and lens angles, and interchange between eyeglass arms and the elastic headband.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off and Adjusting LED Brightness

The magnifier features four LED lights with two brightness levels.

1. Press the power switch located on the top of the magnifier unit once to turn on the LED lights at the

- first brightness level.
- 2. Press the power switch a second time to switch to the brighter, second level.
- 3. Press the power switch a third time to turn off the LED lights.

4.2 Adjusting Lens and Light Angle

For optimal viewing, you can adjust the angle of both the lenses and the LED lights.

- **Lens Angle:** Gently pivot the lens assembly up or down to find the most comfortable viewing angle for your task.
- **Light Angle:** The light mount can be adjusted independently to direct illumination precisely where needed.

5 INTERCHANGEABLE LENSES



Image: Close-up views demonstrating how to adjust the lens angle and the angle of the LED lights for optimal focus and illumination.

5. MAINTENANCE

- **Cleaning Lenses:** Use the provided cleaning cloth or a soft, lint-free cloth to gently wipe the lenses. Do not use abrasive cleaners or solvents, as these can damage the acrylic.
- **Cleaning Unit:** Wipe the main unit with a soft, damp cloth. Avoid getting water into the electronic components.
- **Storage:** When not in use, store the magnifier and its lenses in a clean, dry place, preferably in the provided storage box, away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge when the battery indicator lights are low.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
LED lights do not turn on.	Battery is discharged.	Charge the device using the USB Type-C cable.
LED lights are dim.	Low battery or incorrect brightness setting.	Recharge the battery. Press the power switch to cycle to the brighter setting.
Image is blurry or unclear.	Incorrect lens selected, dirty lens, or improper focal distance.	Try a different magnification lens. Clean the lens with the provided cloth. Adjust the distance between the lens and the object.
Lenses do not stay in place.	Lens not fully inserted or damaged slot.	Ensure the lens is clicked securely into the slot. If the slot is damaged, contact customer support.

7. SPECIFICATIONS



Image: A detailed table outlining the technical specifications of the magnifier, including lens types, focal lengths, weight, and LED brightness levels.

Feature	Detail
Model Number	UGV1-C1
Brand	YOCTOSUN
Magnification Lenses	1.0X, 1.5X, 2.0X, 2.5X, 3.5X (Acrylic)
LED Lights	4 LEDs with 2 adjustable brightness levels
Battery	Rechargeable Lithium Polymer (included)
Charging Port	USB Type-C
Wearing Style	Eyeglass frame or adjustable headband
Product Dimensions	Approximately 3.5"L x 5.8"W (main unit)
Item Weight	Approximately 13.1 ounces (0.37 kg)

Note: Focal distance varies with lens magnification and individual vision. Adjust as needed for clarity.

8. SAFETY INFORMATION

- **Do Not Stare Directly at Light:** Avoid looking directly into the LED lights, as prolonged exposure

may cause eye strain.

- **Avoid Direct Sunlight:** Do not expose the lenses to direct sunlight, as concentrated light can create a fire hazard.
- **Keep Out of Reach of Children:** Small parts and lenses can be a choking hazard.
- **Handle with Care:** The lenses are made of acrylic and can scratch if not handled properly.
- **Charging Safety:** Use only the provided USB cable and a compatible USB power source. Do not attempt to charge with damaged cables or in wet conditions.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official YOCTOSUN website. Keep your purchase receipt as proof of purchase for warranty claims.

10. PRODUCT VIDEO DEMONSTRATION

Your browser does not support the video tag.

Video: A demonstration of the YOCTOSUN Headband Magnifier in use, showcasing its features and functionality. This video provides a visual guide to operating the device.