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› YOCTOSUN Rechargeable Head Magnifier Glasses (Model YS-EGM-UGV3-C) - Instruction Manual

## YOCTOSUN YS-EGM-UGV3-C

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## 1. INTRODUCTION

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Thank you for choosing the YOCTOSUN Rechargeable Head Magnifier Glasses. This device is designed to provide enhanced visual clarity for detailed tasks, hobbies, and reading. It features interchangeable lenses, adjustable LED lighting, and a comfortable, rechargeable design. Please read this manual thoroughly before use to ensure proper operation and maintenance.



Figure 1: YOCTOSUN Rechargeable Head Magnifier Glasses with interchangeable lenses and LED lights.

## 2. PACKAGE CONTENTS

Ensure all items are present in your package:

- 1x Head Magnifier Frame with LED Lights
- 4x Interchangeable Lenses (1.5X, 2.5X, 3.5X, 5X)
- 1x Detachable Head Strap
- 1x USB Charging Cable
- 1x Lens Storage Case
- 1x Cleaning Cloth
- 1x User Manual

## 3. PRODUCT OVERVIEW

Familiarize yourself with the components of your head magnifier glasses:

# MAGNIFYING GLASS



Figure 2: Key components of the head magnifier glasses, including the LED, power switch, charging socket, soft forehead padding, bracket foot, and magnifying glass lenses.

## 4. SETUP

### 4.1 Attaching/Changing Lenses

1. Select the desired magnification lens (1.5X, 2.5X, 3.5X, or 5X) from the storage case.
2. Align the tabs on the lens with the slots on the magnifier frame.
3. Gently push the lens into place until it clicks securely. To remove, gently pull the lens outwards from the frame.

# INTERCHANGEABLE LENSES



Figure 3: The four interchangeable lenses (1.5X, 2.5X, 3.5X, 5X) provided with the magnifier.

## 4.2 Attaching the Head Strap

For extended use or a more secure fit, you can attach the included head strap:

1. Locate the small holes on the ends of the magnifier frame arms.
2. Thread the ends of the head strap through these holes and secure them.
3. Adjust the strap for a comfortable and snug fit around your head.

Video 1: Demonstrates the assembly and use of the YOCTOSUN Rechargeable Magnifying Glasses, including how to attach the lenses and head strap.

## 5. OPERATING INSTRUCTIONS

### 5.1 Using the LED Lights

The magnifier is equipped with two LED lights for illumination:

- Press the power switch located on the side of the frame once to turn on the lights at the first brightness level.

- Press the switch a second time for the brighter second level.
- Press the switch a third time to turn off the lights.
- The angle of the LED lights can be adjusted to direct illumination precisely where needed.



Figure 4: The two bright LED lights provide adjustable illumination for detailed work.

## 5.2 Charging the Battery

The built-in lithium polymer battery is rechargeable:

1. Locate the micro USB charging port on the side of the magnifier frame.
2. Connect the provided USB charging cable to the port.
3. Plug the other end of the USB cable into a compatible USB power source (e.g., USB wall charger, computer, power bank).
4. A full charge typically takes approximately 1 hour. The charging indicator light will change to show charging status.

# RECHARGEABLE DESIGN



Figure 5: The rechargeable design allows for convenient charging via a micro USB cable from various power sources.

Video 2: An official product video from YOCTOSUN demonstrating the features and usage of the rechargeable head magnifier glasses.

## 6. MAINTENANCE

- **Cleaning Lenses:** Use the provided cleaning cloth to gently wipe the lenses. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth, then wipe the lenses. Avoid abrasive materials or harsh chemicals.
- **Storage:** When not in use, store the lenses in their protective case to prevent scratches. Keep the magnifier 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.

## 7. TROUBLESHOOTING

- **LED Lights Not Working:** Ensure the battery is charged. Connect the USB cable and allow it to charge for at

least 15 minutes before attempting to turn on the lights again.

- **Magnification Not Clear:** Verify that the correct lens is securely attached and clean. Adjust the distance between your eyes and the object being viewed to find the optimal focal length for the selected lens.
- **Uncomfortable Fit:** Adjust the frame arms and nose pads for a better fit. If using the head strap, ensure it is adjusted to a comfortable tension.

## 8. SPECIFICATIONS

Feature	Detail
Brand	YOCTOSUN
Model Number	YS-EGM-UGV3-C
Magnification Strengths	1.5X, 2.5X, 3.5X, 5X
Lens Material	Acrylic Resin (5H hardness)
Illumination	2 LED Lights (2 brightness levels)
Battery Type	1 Lithium Polymer (included)
Battery Capacity	300mAh
Voltage	3.7V
Charging Time	Approx. 1 hour
Item Weight	13.1 ounces (0.37 Kilograms)
Product Dimensions	6.9"L x 2"W
Focal Length (1.5X)	333mm (13")
Focal Length (2.5X)	200mm (7-7/8")
Focal Length (3.5X)	142mm (5-9/16")
Focal Length (5X)	100mm (4")



Figure 6: Detailed specifications including weight, size, and focal lengths for each lens.

## 9. WARRANTY AND SUPPORT

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YOCTOSUN products are manufactured with quality and performance in mind. For specific 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 any warranty claims.