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> YOCTOSUN LED Head Magnifier YS-EGM-UGV1-C Instruction Manual

## YOCTOSUN YS-EGM-UGV1-C

# YOCTOSUN LED Head Magnifier YS-EGM-UGV1-C Instruction Manual

Model: YS-EGM-UGV1-C | Brand: YOCTOSUN

## INTRODUCTION

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This manual provides detailed instructions for the safe and effective use of your YOCTOSUN LED Head Magnifier. Please read this manual thoroughly before operating the device and retain it for future reference. This device is designed to provide magnified vision and illumination for detailed tasks and hobbies.

## PRODUCT OVERVIEW

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The YOCTOSUN LED Head Magnifier is a versatile tool featuring interchangeable lenses, adjustable LED lighting, and a comfortable design that can be worn as glasses or with a headband. The package includes the main magnifier unit, a set of five interchangeable acrylic lenses, a USB charging cable, and an adjustable head strap.



Image: Components of the YOCTOSUN LED Head Magnifier, including the main unit, interchangeable lenses in a case, a USB charging cable, and a head strap.

## SETUP

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### 1. Attaching/Changing Lenses

1. Select the desired magnification lens from the provided set.
2. Align the lens with the slot on the main magnifier unit.
3. Gently push the lens into the slot until it clicks securely into place. To remove, gently pull the lens out.



Image: A hand inserting one of the interchangeable lenses into the magnifier's frame.

## 2. Switching Between Glasses Frame and Headband

1. The magnifier unit comes with a glasses-style frame attached. To switch to the headband, locate the release buttons on the sides of the glasses frame arms where they connect to the main unit.
2. Press the release buttons and gently pull the glasses frame arms away from the main unit.
3. Take the adjustable head strap and align its connectors with the slots on the main unit.
4. Push the head strap connectors into the slots until they click securely. Adjust the strap length for a comfortable and secure fit around your head.



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Image: Visual guide illustrating the interchangeability of the glasses frame and the head strap.

Your browser does not support the video tag.

Video: Official YOCTOSUN demonstration on how to change lenses and switch between the glasses frame and headband for the LED Head Magnifier.

## OPERATING INSTRUCTIONS

### 1. Powering On/Off and Adjusting Brightness

The magnifier features two LED lights for illumination. To operate the lights:

1. Locate the power button on the top of the magnifier unit.
2. Press the button once for the first brightness level.
3. Press the button a second time for the brighter second level.
4. Press the button a third time to turn the lights off.



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Image: Detail of the magnifier's top, highlighting the power switch for the two LED brightness levels.

## 2. Adjusting Lens Angle and Distance

The lenses can be adjusted to optimize your viewing experience:

- **Lens Angle:** The lens assembly can be tilted up or down to find the most comfortable viewing angle.
- **Lens Distance:** The distance of the lenses from your eyes can be adjusted by sliding the lens assembly forward or backward along its track. This helps in achieving the clearest focus for different magnifications and individual vision needs.

# VERSATILE & EASY TO USE



**Detachable Lenses**



**Adjustable Light Angle**



**Adjustable Lens Angle**



**Interchangeable Headband**

Image: Visual representation of how to adjust the lens angle and the distance of the lenses from the eyes.

Your browser does not support the video tag.

Video: Official YOCTOSUN video demonstrating the use of the magnifying glasses with light for close work, including adjustments.

## LENS MAGNIFICATION AND FOCAL LENGTH

The magnifier comes with five interchangeable lenses, each offering a different magnification level and corresponding focal length. The focal distance may vary slightly based on individual vision and usage habits.

Lens Type	Focal Length (View Length to Object)
1.0X	19.7" (500mm)
1.5X	13" (330mm)
2.0X	9.8" (250mm)
2.5X	7.9" (200mm)
3.5X	5.5" (140mm)

Table: Magnification levels and approximate focal lengths for each interchangeable lens.



Image: A chart providing detailed specifications for each lens type, including focal length and LED brightness.

## CHARGING INSTRUCTIONS

The YOCTOSUN LED Head Magnifier is equipped with a rechargeable lithium battery.

1. Locate the micro charging socket on the side of the magnifier unit.
2. Connect the provided USB charging cable to the magnifier's charging socket.
3. Plug the other end of the USB cable into a compatible USB power source (e.g., USB wall charger, cell phone charger, power bank, or computer USB port).
4. The charging indicator light will illuminate during charging and turn off or change color when fully charged (refer to product for specific indicator behavior).

## Powered by Multiple USB Source



USB Cable Included

Image: Illustration of the magnifier's USB charging capability with different power sources.

## MAINTENANCE AND CARE

- **Cleaning Lenses:** Use a soft, lint-free cloth (microfiber is ideal) to clean the lenses. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth, not directly to the lens. Avoid abrasive materials or harsh chemicals.
- **Cleaning Unit:** Wipe the main unit with a soft, damp cloth. Do not immerse the unit in water.
- **Storage:** Store the magnifier and its lenses in a clean, dry place, away from direct sunlight and extreme temperatures. Use the provided lens case to protect the lenses from scratches and dust.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge when the battery level is low.

## TROUBLESHOOTING

- **Lights Not Turning On:** Ensure the battery is charged. Connect the magnifier to a USB power source and allow it to charge for at least 30 minutes before attempting to turn on the lights again.
- **Lights Dim:** Recharge the battery. Dim lights typically indicate a low battery level.
- **Blurry Vision:** Adjust the lens distance from your eyes by sliding the lens assembly forward or backward. Ensure you are using the correct magnification lens for your task and that the object is within the lens's focal range.
- **Lenses Not Staying Secure:** Ensure the lens is fully inserted and clicked into place. If the issue persists, inspect the lens slot and the lens clip for any damage or debris.
- **Discomfort When Wearing:** Adjust the nose pads for a better fit. If using the glasses frame, ensure it sits comfortably. If using the headband, adjust its tension to be snug but not overly tight.

## SPECIFICATIONS

Feature	Detail
Brand	YOCTOSUN
Model Number	YS-EGM-UGV1-C
UPC	726679581885
Color	White
Lens Material	Acrylic
Magnification Strength	1.0X, 1.5X, 2.0X, 2.5X, 3.5X (Interchangeable)
Light Source	2 LED Lights (Two Brightness Levels)
Power Source	Rechargeable Lithium Polymer Battery
Handle Material	Rubber
Item Weight	11.7 ounces (0.33 Kilograms)
Package Dimensions	8.15 x 6.1 x 2.64 inches

## WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the product packaging or contact YOCTOSUN customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.