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eSynic 1-6X

eSynic Head Magnifier with LED Light (Model 1-6X) - Instruction Manual

Model: 1-6X | Brand: eSynic

Introduction

This manual provides detailed instructions for the safe and effective use of your eSynic Head Magnifier with LED Light. Please read this manual thoroughly before operation and retain it for future reference. This device is designed to enhance visibility for detailed tasks such as reading, jewelry repair, crafting, and electronics work.

Product Overview

The eSynic Head Magnifier is a versatile tool featuring interchangeable lenses and a dual-color LED lighting system. It is designed for comfort and precision, making intricate tasks easier to perform.

Package Contents

- 1 x eSynic Head Magnifier with LED Light
- 5 x Interchangeable Optical Lenses (1X, 1.5X, 2X, 2.5X, 3.5X)
- 1 x Lens Storage Case
- 1 x Microfiber Cleaning Cloth
- 1 x USB-C Charging Cable



Figure 1: Complete package contents of the eSynic Head Magnifier. Includes the magnifier unit, five interchangeable lenses in a storage case, a cleaning cloth, and a USB-C charging cable.

Setup

1. Attaching and Changing Lenses

The magnifier comes with five interchangeable optical lenses, allowing for various magnification levels. These lenses can

be combined to achieve up to 6X magnification.

1. Select the desired lens(es) from the storage case.
2. Align the tabs on the lens with the slots on the magnifier's frame.
3. Gently slide the lens into place until it clicks securely.
4. To remove, gently press the release tabs and slide the lens out.



Figure 2: The eSynic Head Magnifier includes five interchangeable lenses (1X, 1.5X, 2X, 2.5X, 3.5X) that can be used individually or combined for higher magnification up to 6X.

2. Adjusting the Headband

The headband is designed for comfort and a secure fit, accommodating various head sizes and allowing for use over prescription glasses.

1. Place the magnifier on your head.
2. Use the adjustable ratchet system at the back of the headband to tighten or loosen the fit until comfortable and secure.
3. The headband features moisture-wicking padding for extended wear.



Figure 3: The headband features an adjustable ratchet system at the back for a customized and comfortable fit, designed to prevent pressure on the nose.

3. Adjusting the LED Light

The integrated LED light provides illumination with adjustable brightness and color temperature.

1. Locate the power button on the top of the magnifier unit.
2. Press the button once to turn on the light.
3. Subsequent presses will cycle through brightness levels and color modes (cool white, warm yellow, mixed).
4. The light unit can be tilted up or down to direct illumination precisely where needed.

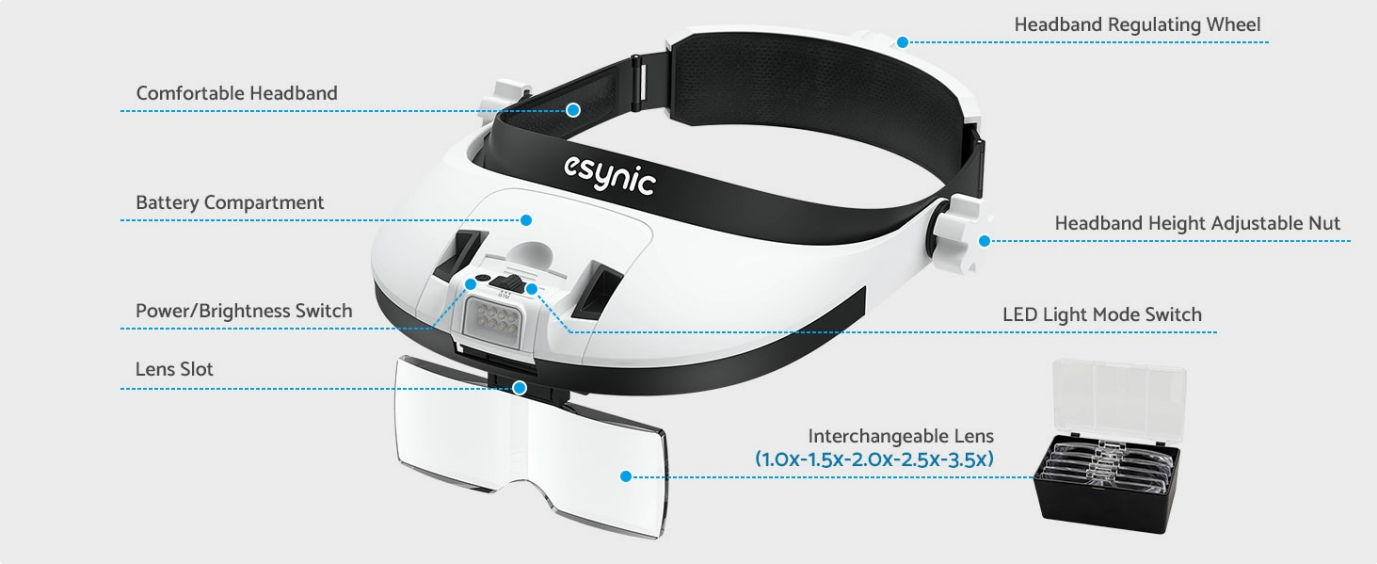


Figure 4: The LED light offers three color temperatures (white, yellow, mixed) and two brightness levels, controlled by a single button for optimal visibility in various conditions.

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Video 1: Demonstrates the eSynic Head Magnifier's features, including lens insertion, headband adjustment, and LED light operation. This video is provided by the seller, eSynic US.

Operating Instructions

1. Using Magnification

Select the appropriate lens or combination of lenses for your task. The magnifier supports stacking two lenses for increased magnification up to 6X. Experiment with different combinations to find the optimal clarity and working distance for your specific needs.

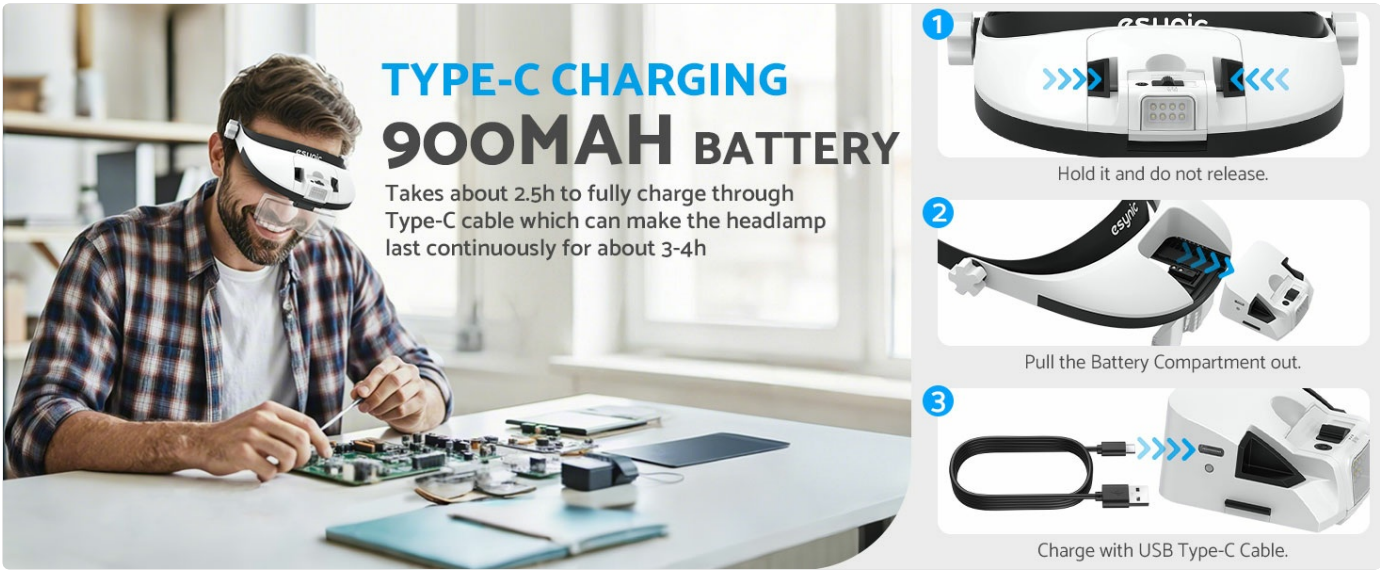


Figure 5: The hands-free design allows for precise work, with adjustable focal length and distortion-free wide-angle lenses for observing fine details.

2. Charging the Battery

The magnifier is equipped with a 900mAh rechargeable battery, providing approximately 3.5 hours of continuous use at medium brightness. The light unit is detachable, allowing you to charge it separately while continuing to use the magnifier.

1. To charge, detach the LED light unit from the headband.
2. Connect the supplied USB-C cable to the charging port on the light unit and to a compatible USB power source.
3. The battery indicator lights will show the charging status.
4. A full charge typically takes about 2.5 hours.



Figure 6: Instructions for charging the detachable 900mAh battery via the Type-C port. The magnifier can still be used while the light unit is charging.

Maintenance

1. Cleaning Lenses

To maintain optimal clarity, regularly clean the lenses.

- Use the provided microfiber cleaning cloth to gently wipe away dust and smudges.
- Avoid using abrasive cleaners or paper towels, as these can scratch the acrylic lenses.
- For stubborn smudges, a small amount of lens cleaning solution designed for acrylic can be used.

2. Battery Care

Proper battery care ensures longevity and performance.

- Charge the battery fully before first use.
- Avoid completely draining the battery frequently. Recharge when the indicator shows low power.
- Store the magnifier in a cool, dry place when not in use.

Troubleshooting

1. Light Not Turning On

- Ensure the battery is charged. Connect the USB-C cable to charge the unit.
- Verify the light unit is securely attached to the headband.

2. Unclear Vision

- Check that the lenses are clean and free of smudges or dust.
- Ensure the correct magnification is selected for your working distance. Adjust the lens position for optimal focus.
- Verify lenses are inserted correctly and securely.

Specifications

Feature	Detail
Brand	eSynic
Model Number	ESY316
Magnification Strength	1X, 1.5X, 2X, 2.5X, 3.5X (up to 6X combined)
Lens Material	Acrylic
LED Lights	8 Dual-Color LEDs (4 cool white, 4 warm yellow)
Lighting Modes	Cool White, Warm Yellow, Mixed (with 2 brightness levels)
Battery Capacity	900mAh Rechargeable Lithium Ion
Charging Port	Type-C
Approximate Runtime	3.5 hours (at medium brightness)
Item Weight	1.62 pounds (735 grams)
Color	Black

Warranty and Support

For warranty information or technical support, please contact eSynic customer service through your retailer's platform or visit the official eSynic website. Please have your product model number (ESY316) and purchase details available when contacting support.

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