

YESWELDER LYG-32-110R

YESWELDER Auto Darkening Welding Goggles with Mask

MODEL: LYG-32-110R

Brand: YESWELDER

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your YESWELDER Auto Darkening Welding Goggles with Mask, Model LYG-32-110R. Please read this manual thoroughly before operation and retain it for future reference. This product is designed to provide eye and face protection during various welding and cutting processes.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious personal injury or damage to the product.

- Always wear appropriate personal protective equipment (PPE) in addition to these goggles, such as flame-resistant clothing and gloves.
- Do not use these goggles for laser welding or overhead welding applications unless specifically rated for such use.
- Inspect the goggles and mask for any damage before each use. Replace any damaged parts immediately.
- Ensure the outer protection lenses are clean and free from scratches or debris to maintain optimal visibility and protection.
- Do not modify the goggles or mask in any way. Unauthorized modifications can compromise safety and void the warranty.
- Avoid direct exposure to welding arc without proper eye protection. The auto-darkening function may have a slight delay.
- Keep the product away from children.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x YESWELDER Auto Darkening Welding Goggles
- 1x Safety Face Shield
- 1x Type-C Charging Cable
- 10x Outer Protection Lenses (for LYG-32-110R)
- 1x Storage Bag



Image: Contents of the YESWELDER welding goggles package, including the goggles, face shield, charging cable, and storage bag.



Image: A set of ten replacement outer protection lenses for the welding goggles.

4. PRODUCT FEATURES

- **Auto Darkening Function:** Automatically adjusts shade level upon arc ignition.
- **LED Lighting:** Integrated LED lights provide illumination in low-light welding environments.
- **TYPE-C Charging:** Rechargeable battery via a modern Type-C port, eliminating the need for disposable batteries.
- **Wide Application Range:** Shade range 4/5-9/9-13 suitable for TIG, MIG, MMA, CUT, and GRIND modes.
- **Clear View:** Viewing area of 5.51" x 1.57" with 4 premium arc sensors for enhanced visibility and faster response.
- **Durable Construction:** Made from Polycarbonate and Plastic materials.

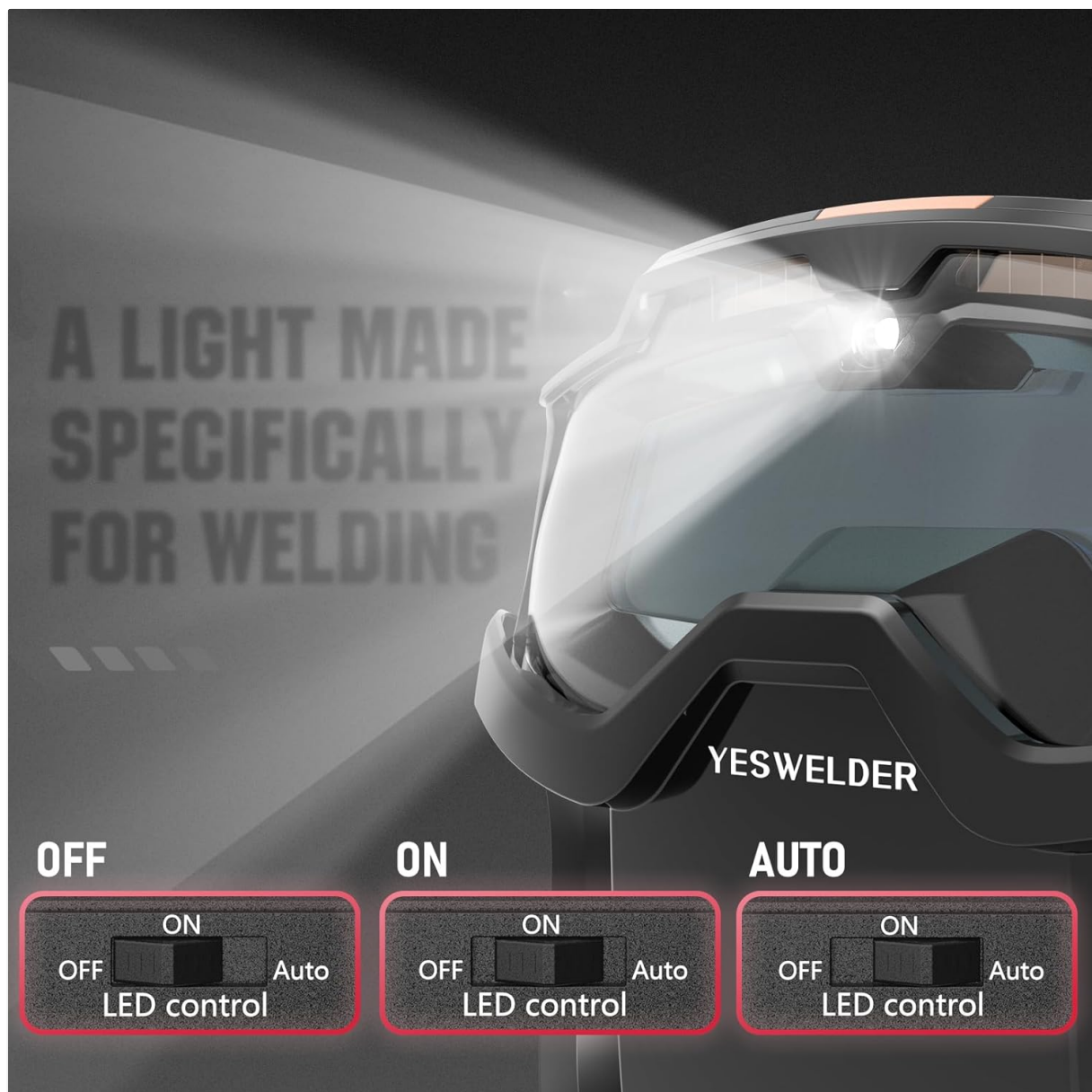


Image: Illustration of the LED lighting control switch on the goggles, showing OFF, ON, and AUTO settings.

USB CHARGING

No More Batteries


240H
Lights OFF


16H
Lights ON



Image: Close-up of the USB-C charging port on the goggles, highlighting the rechargeable battery feature and indicating battery life with lights off (240H) and lights on (16H).

FASTER RESPONSE TIME



Image: Diagram showing the four arc sensors on the front of the goggles, indicating faster response time to welding arcs.

LENS SPECIFICATIONS

5.51" x 1.57"



- 1 UV/IR Filter
- 2 LED Light
- 3 Solar Powered
- 4 ARC Sensor

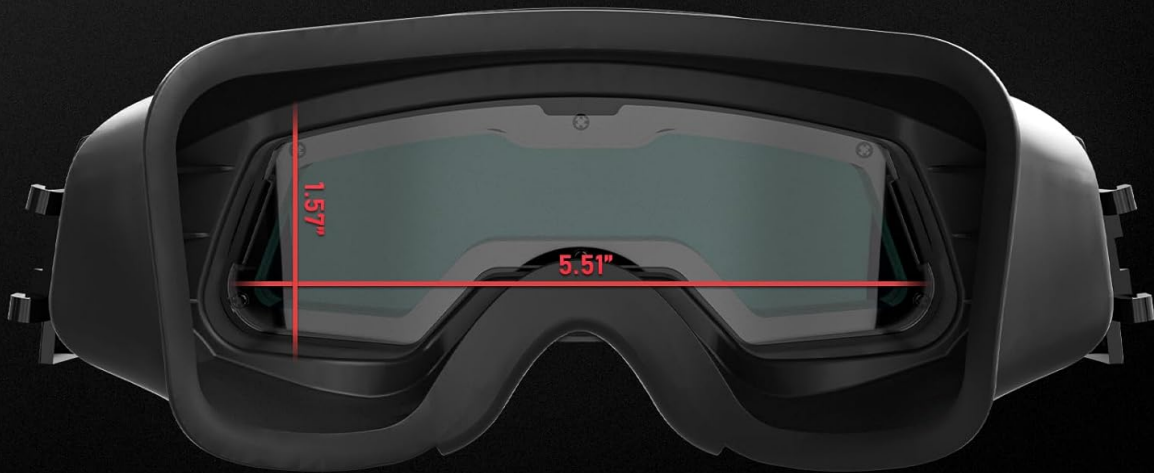


Image: Detailed diagram of the goggles' lens specifications, showing the viewing area dimensions (5.51" x 1.57") and highlighting features like UV/IR filter, LED light, solar power, and arc sensors.

5. SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Charging the Goggles:** Connect the provided Type-C charging cable to the charging port on the goggles and to a suitable USB power source (e.g., computer, wall adapter). The charging indicator will show the charging status. Ensure the goggles are fully charged before first use.
3. **Attaching the Face Shield:** Align the face shield with the attachment points on the welding goggles. Securely snap or slide the face shield into place until it is firmly attached.
4. **Adjusting the Head Strap:** Place the goggles on your head. Adjust the elastic head strap for a snug, comfortable fit. The goggles should sit securely without being too tight or loose.
5. **Installing Outer Protection Lenses:** The goggles come with a protective film on the outer lenses. Remove this film before use. To replace an outer lens, carefully remove the old lens and insert a new one, ensuring it is seated correctly to prevent debris entry.



Image: The YESWELDER auto darkening welding goggles with the face mask attached, alongside a set of outer protection lenses.

6. OPERATING INSTRUCTIONS

1. **Powering On/Off:** The goggles typically power on automatically when exposed to light or an arc. Some models may have a manual power button. Refer to the specific controls on your device.
2. **LED Light Control:** Locate the LED control switch on the goggles. It usually has three positions: **ON** (LEDs are constantly on), **AUTO** (LEDs turn on automatically in low light conditions), and **OFF** (LEDs are off). Select the desired mode based on your working environment.
3. **Welding Mode:** Ensure the goggles are in welding mode (not grind mode, if applicable). When an arc is struck, the lens will automatically darken to the pre-set shade level (4/5-9/9-13). The 4 arc sensors ensure a fast and reliable darkening response.
4. **Grind Mode:** If your goggles feature a grind mode, activate it when performing grinding operations. In grind mode, the auto-darkening function is typically disabled, and the lens remains in a light shade (usually shade 4) to provide clear vision while protecting against grinding sparks and debris. Remember to switch back to welding mode before welding.

7. MAINTENANCE

- **Cleaning Lenses:** Clean the inner and outer protection lenses regularly with a soft, clean cloth. Do not use abrasive cleaners or solvents, as these can damage the lens coatings.
- **Replacing Outer Protection Lenses:** The outer protection lenses are consumable items and should be replaced when they become scratched, pitted, or too dirty to clean effectively. Refer to Section 5 for installation instructions.
- **Battery Charging:** Recharge the goggles' battery as needed. A full charge ensures optimal performance of the auto-darkening and LED lighting features.
- **Storage:** Store the goggles in a clean, dry place, preferably in the provided storage bag, away from direct sunlight, extreme temperatures, and corrosive materials.
- **Inspection:** Periodically inspect the head strap, face shield, and goggle body for signs of wear, cracks, or damage. Replace components as necessary.



Image: Illustration showing the goggles with a transparent silicone case, indicating protection and fit.

8. TROUBLESHOOTING

- **Goggles not darkening:**

- Ensure the battery is charged.
 - Check that the arc sensors are clean and unobstructed.
 - Verify that the goggles are in welding mode (not grind mode).
 - Confirm the welding current is sufficient to trigger the auto-darkening function.
- **LED light not working:**
 - Check the LED control switch position (ON/AUTO).
 - Ensure the battery is charged.
- **Poor visibility:**
 - Clean the inner and outer protection lenses.
 - Replace scratched or damaged outer protection lenses.




9. SPECIFICATIONS

Feature	Specification
Model	LYG-32-110R
Viewing Size	5.51" x 1.57"
Shade Range	4/5-9/9-13
Arc Sensors	4
Power Supply	TYPE-C Charged Battery, Solar Powered
Material	Polycarbonate, Plastic
Special Features	LED Lighting, TYPE-C Charging
Color	Black

10. WARRANTY AND SUPPORT

Warranty information for the YESWELDER Auto Darkening Welding Goggles with Mask, Model LYG-32-110R, is typically provided with your purchase documentation or can be found on the official YESWELDER website. For technical support, replacement parts, or warranty claims, please contact YESWELDER customer service through their official channels.

Related Documents - LYG-32-110R

 <p>LYG-Q800D SERIES AUTO-DARKENING WELDING HELMETS</p> <p>YESWELDER</p> <p>To help us serve you better, go to www.yeswelder.com</p>	<p>YESWELDER LYG-Q800D Series Auto-Darkening Welding Helmet Operator's Manual</p> <p>Operator's manual for the YESWELDER LYG-Q800D Series auto-darkening welding helmets, covering safety precautions, specifications, operating instructions, adjustments, maintenance, troubleshooting, and warranty information.</p>
 <p>YESWELDER</p> <p>To help us serve you better, go to www.yeswelder.com</p>	<p>YESWELDER Auto Darkening Welding Helmet Instruction Manual</p> <p>Comprehensive instruction manual for the YESWELDER Auto Darkening Welding Helmet, detailing its features, operating principles, technical specifications, assembly, usage instructions, maintenance, warranty, and storage guidelines.</p>
	<p>YESWELDER LYG-Q800D Series Auto-Darkening Welding Helmet Operator's Manual</p> <p>Comprehensive operator's manual for the YESWELDER LYG-Q800D Series auto-darkening welding helmet. Covers safety precautions, specifications, operating instructions, maintenance, troubleshooting, and warranty information.</p>
 <p>LYG-L600A SERIES Welder's face shield MX-L, Automatic welding filter LY600 AUTO-DARKENING HELMETS</p> <p>LYG-OL-6000</p> <p>YESWELDER</p> <p>To help us serve you better, go to www.yeswelder.com</p>	<p>YESWELDER LYG-L600A Series Auto-Darkening Welding Helmet Operator's Manual</p> <p>Comprehensive operator's manual for YESWELDER LYG-L600A Series auto-darkening welding helmets, including safety precautions, specifications, operating instructions, maintenance, troubleshooting, and warranty information for models MX-L, LY600, and LYG-OL-6000.</p>
	<p>YesWelder LYG-L500A Series Auto-Darkening Welding Helmets Operator's Manual</p> <p>Operator's manual for the YesWelder LYG-L500A Series auto-darkening welding helmets, covering safety precautions, specifications, operating instructions, maintenance, troubleshooting, and warranty information.</p>
	<p>YesWelder MIG-205DS IGBT Inverter Multi-Functions Welding Machine Operator's Manual</p> <p>Operator's manual for the YesWelder MIG-205DS IGBT Inverter Multi-Functions Welding Machine, covering CO2/MIG, MAG, MMA, TIG Lift, and Gasless Flux welding processes. Includes safety tips, general introduction, electrical diagrams, main parameters, installation, operation, maintenance, and troubleshooting.</p>