

YESWELDER LYG-L600A-MC

YESWELDER Auto Darkening Welding Helmet

MODEL: LYG-L600A-MC

User Instruction Manual

1. Introduction and Safety Information

This manual provides essential information for the safe and effective operation of your YESWELDER Auto Darkening Welding Helmet, model LYG-L600A-MC. Please read and understand all instructions before use to ensure personal safety and proper function of the helmet.

The helmet is designed to protect your eyes and face from sparks, spatter, and harmful radiation under normal welding conditions. It features advanced blue light blocking technology, true color view, and fast auto-darkening capabilities for various welding processes.

Key Features:

- **Advanced Eye Protection:** Blue Light Blocking outer lens filters harmful high-energy blue light rays.
- **True Color & Clear View:** Upgraded 1/1/1/1 optical clarity with a 3.64"x1.67" viewing area for improved visibility and reduced eye strain.
- **Fast Auto-Darkening:** Two premium arc sensors trigger darkness in 1/30000 seconds.
- **Multi-Application:** Wide shade range 3.5/9-13, suitable for TIG, MIG, MMA (Stick), and GRIND modes.
- **Long Service Life:** Powered by solar panel technology and a replaceable CR2450 lithium battery.
- **Comfort & Durability:** Pivot style headgear for superior comfort and secure fit, meeting ANSI Z87.1 and CSA Z94.3 standards.



Figure 1: Overview of the YESWELDER Auto Darkening Welding Helmet's advantages.

2. Setup and Adjustment

2.1 Headgear Adjustment

The helmet features an adjustable headgear system to ensure a comfortable and secure fit. Adjust the straps and pivot points to match your head size and preferred helmet position. The rear knob allows for quick tightening or loosening of the headgear.

COMFORTABLE HEADGEAR



Headgear with oversized comfortable cushion provides extensive adjustability and settings, and improves experience of better fit and comfort.

Figure 2: Adjustable headgear for a comfortable and secure fit.

2.2 Battery Installation and Power Source

The helmet is powered by solar energy and a replaceable CR2450 lithium battery. The solar panel charges the battery during use, extending its life. Ensure the battery is correctly installed before first use.



Figure 3: Dual power sources: solar panel and replaceable CR2450 battery.

Replacing the Battery:

1. Use a flat-head screwdriver to open the battery compartment cover.
2. Tilt the battery to lock it in place (with the positive pole facing upwards).
3. Press down the cover and rotate it to close.



Figure 4: Battery replacement procedure.

Video 1: Demonstrates the easy battery replacement feature of the YESWELDER helmet, highlighting its convenience compared to older models.

3. Operating Instructions

3.1 Selecting Welding Mode

The helmet supports multiple welding processes. Use the external controls to select the appropriate mode for your task:

- **Weld Mode:** For TIG, MIG, and MMA (Stick) welding.
- **Grind Mode:** For grinding operations, providing clear vision without darkening.



Figure 5: The helmet is suitable for various welding and grinding applications.

TRUE COLOR LENS TECHNOLOGY

Blocks strong light to protect eyes, ensures accurate colors for clear detail recognition, and guarantees stable welding quality + high efficiency—making every task easy!

OTHERS

TRADITIONAL LENS

Unclear View Through Lime Green Tint,
Does Harm To The Eyes.

YESWELDER

W3.51WB-W13
AUTO DARKENING
Model:LY800

ANSI Z87.1 1-1-1-1

TRUE COLOR

Upgraded Technology 1-1-1-1
Optical Clarity Improves Visibility.
Reducing The Lime Green Tint.

Figure 6: Switching between Grind Mode and Welding Mode.

3.2 Adjusting Shade, Sensitivity, and Delay

The helmet features external controls for easy adjustment of shade, sensitivity, and delay without removing the helmet.

- **Shade Control:** Adjust the darkness level from 9 to 13 for welding, and 3.5 for grinding.
- **Sensitivity Control:** Adjust how easily the sensors detect the arc and darken the lens.
- **Delay Control:** Adjust the time it takes for the lens to return from dark to light after the arc stops (0.1 to 1.0 seconds).



Figure 7: External controls for fine-tuning welding parameters.

Video 2: Demonstrates the automatic darkening feature and responsiveness of the YESWELDER True Color Auto Darkening Welding Helmet.

Video 3: Provides an overview of the YESWELDER Auto Darkening Welding Helmet's features, including solar power and adjustable settings.

4. Maintenance

4.1 Cleaning and Storage

Regularly clean the helmet, especially the lens, with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the lens or helmet material. Store the helmet in a dry, clean place away from direct sunlight and extreme temperatures.

4.2 Lens Replacement

The helmet comes with replacement lenses. If the outer or inner protective lenses become scratched or damaged, they should be replaced immediately to maintain optical clarity and protection.



Figure 8: The helmet includes replacement lenses and an extra battery.

Video 4: A review of the YESWELDER helmet, mentioning the inclusion of extra lenses and battery.

5. Troubleshooting

If you encounter any issues with your welding helmet, refer to the following common troubleshooting steps:

- **Lens not darkening:** Check battery level. Ensure solar panel is exposed to light. Verify arc sensors are clean and unobstructed. Adjust sensitivity settings.
- **Poor visibility:** Clean the protective lenses. Replace scratched or damaged lenses. Ensure correct shade setting for the welding process.
- **Uncomfortable fit:** Re-adjust headgear straps and pivot points for a snug yet comfortable fit.

For persistent issues, please contact customer support.

6. Specifications

Feature	Specification
Viewing Size	3.64" x 1.67"
Optical Clarity	1/1/1/1
Operating Temperature	23°F ~ 131°F / -5°C ~ +55°C
Switching Time	1/30000s
Power Supply	Replaceable CR2450 Lithium Battery, Solar Powered
Sensitivity Adjustment	Stepless Control

Delay Time	0.1s / 0.5s / 1.0s
Standards Met	ANSI Z87.1, DIN EN 379, CSA Z94.3
Item Weight	1.92 pounds (0.87 Kilograms)
Product Dimensions	1 x 1 x 1 inches



Figure 9: Technical specifications and certifications.

7. Warranty and Support

Your YESWELDER Auto Darkening Welding Helmet is backed by a 1-year warranty, ensuring quality and reliability. For any questions, technical assistance, or warranty claims, please contact our customer support team.

Customer Support:

We offer 24/7 customer support to assist you with any inquiries or issues you may have.

- **Online Support:** Visit the official YESWELDER website for FAQs and contact information.
- **Email Support:** Available 24/7 for your convenience.

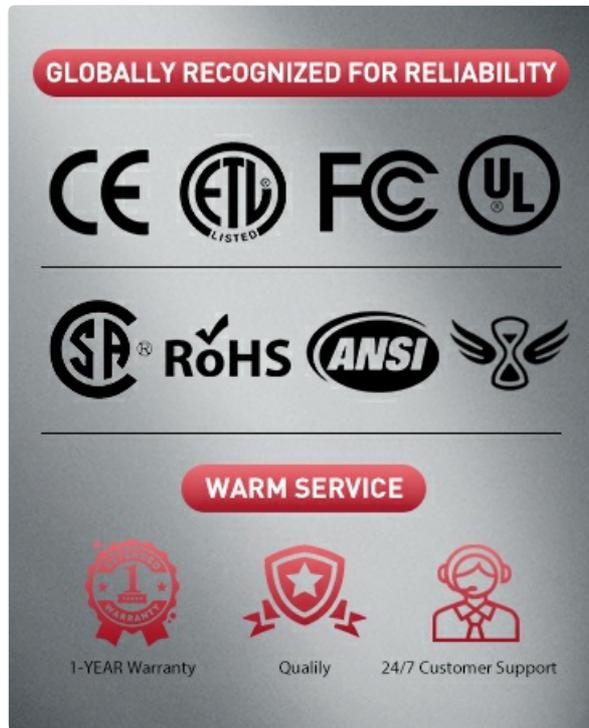


Figure 10: Certifications and customer support information.