

YESWELDER BW-AR148

YESWELDER Auto Darkening Welding Helmet

Model: BW-AR148-SV

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your YESWELDER Auto Darkening Welding Helmet, Model BW-AR148-SV. Please read these instructions carefully before operation and retain for future reference. This helmet is designed to protect your eyes and face from sparks, spatter, and harmful radiation under normal welding conditions.

2. SAFETY PRECAUTIONS

- Always wear safety glasses under the welding helmet.
- Do not use the helmet if any parts are damaged or missing.
- Ensure the helmet is suitable for your welding process and current settings.
- Avoid contact with hot surfaces.
- Keep the helmet clean and free from dirt or debris.
- Replace protective lenses regularly to maintain optical clarity.

3. SETUP

3.1 Headgear Adjustment

The helmet features an adjustable headgear system for a secure and balanced fit. Adjust the straps and pivot points to ensure the helmet sits comfortably and the viewing area is correctly positioned in front of your eyes.

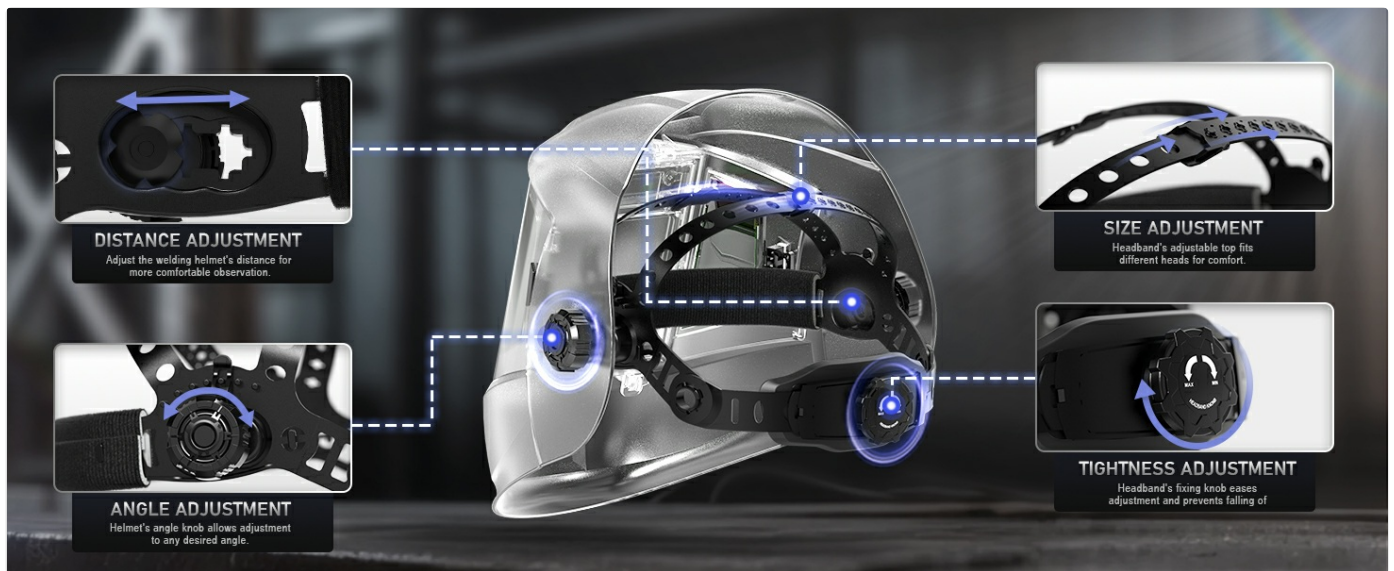


Image Description: A transparent view of the welding helmet's internal headgear, highlighting various adjustment points for distance, size, angle, and tightness to ensure a comfortable and secure fit.

3.2 Battery Installation and Power

The helmet is powered by a solar panel and a replaceable CR2450 lithium battery. The battery is typically pre-installed. Ensure the battery is correctly seated. The helmet must be manually turned on before use.



Image Description: An illustration demonstrating the dual power sources of the helmet: a solar panel on the top of the auto-darkening filter and a replaceable CR2450 battery located within the control panel.

3.3 LED Light Attachment

The helmet includes a removable adhesive LED light. Attach the LED light to the designated area on the helmet. It offers two brightness levels for improved visibility in dark environments.

RECHARGEABLE LED LIGHT



Image Description: A visual representation of the rechargeable LED light mounted on the welding helmet, illustrating its function in illuminating the workspace.

4. OPERATING INSTRUCTIONS

4.1 Digital Control Filter

The helmet features a digital control panel for precise adjustment of sensitivity and delay settings. This panel is located inside the helmet for protection.

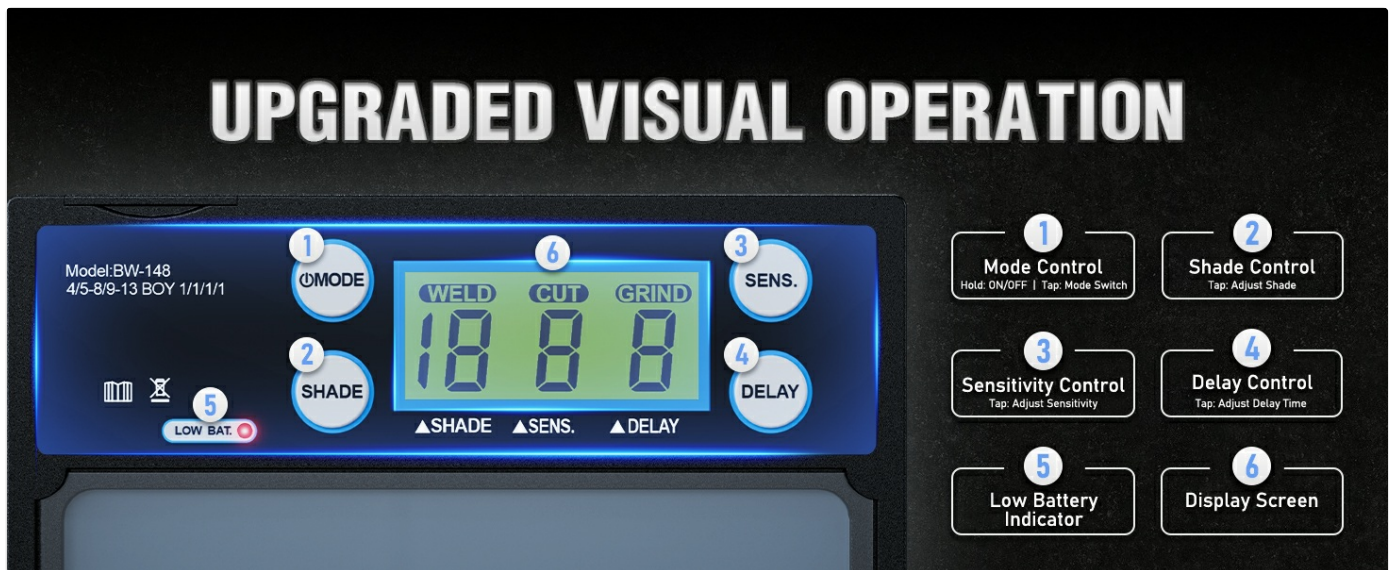


Image Description: A detailed view of the internal digital screen, showing controls for mode, shade, sensitivity, and delay, along with a low battery indicator.

4.2 Mode and Shade Selection

Use the digital controls to select the appropriate mode (WELD, CUT, GRIND) and shade level for your specific application. The helmet offers a versatile shade range of 4/5-8/9-13.

- **Grind Mode:** Shade 4
- **Cut Mode:** Shade 5-8
- **Weld Mode (TIG/MIG/ARC):** Shade 9-13



Image Description: Three panels illustrating different operational modes: Grind Mode (DIN 4), Cut Mode (DIN 5-8), and Welding Mode (DIN 9-13), showing typical activities for each.

4.3 Arc Sensors and Response Time

The helmet is equipped with four premium arc sensors, providing an ultra-fast switching response time of 1/30000 seconds (0.00003s) to protect your eyes from sudden arc flashes.



Image Description: An illustration highlighting the four arc sensors on the welding helmet and emphasizing its rapid 1/30000 second response time.

4.4 Panoramic View and True Color Technology

The helmet offers a 180° panoramic view with a main viewing area of 3.94" x 3.14" and non-auto-darkening side view windows. True Color Lens Technology provides 1/1/1 optical clarity, enhancing visibility and reducing green tint.



Image Description: A visual representation of the helmet's 180-degree panoramic view, detailing the main viewing area and the non-darkening side windows.



Image Description: A graphic explaining the True Color Lens Technology, showing how it enhances clarity and reduces the traditional lime green tint for a more natural view.

4.5 UV/IR Protection

The helmet provides continuous UV/IR protection, filtering harmful light even when the auto-darkening function is not active. Advanced outer lenses shield eyes from harmful blue light.

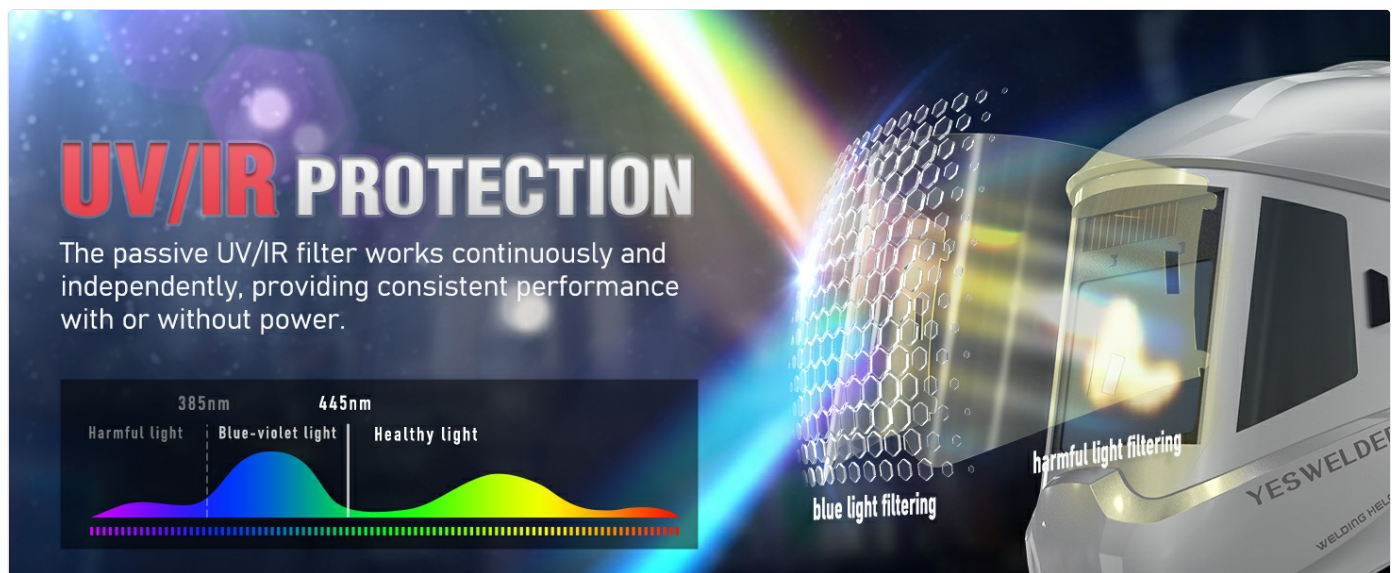


Image Description: An illustration demonstrating the helmet's UV/IR protection and blue light filtering capabilities, showing how harmful light is blocked.

5. MAINTENANCE

5.1 Cleaning

- Clean the helmet shell with mild soap and water. Avoid harsh solvents.
- Wipe the auto-darkening filter and protective lenses with a soft, clean cloth. Do not use abrasive materials.

5.2 Lens Replacement

Regularly inspect and replace the outer and inner protective lenses if they become scratched, pitted, or damaged to maintain optimal visibility and protection.



Image Description: A visual breakdown of the helmet's components and included accessories, such as replacement inner and outer lenses, the headlamp, and a charging cable.

5.3 Battery Replacement

When the low battery indicator appears on the digital display, replace the CR2450 lithium battery. Refer to the digital control filter section for battery location.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Helmet does not darken.	Helmet not turned on. Low battery. Arc sensors obstructed. Incorrect sensitivity setting.	Ensure helmet is manually turned on. Replace CR2450 battery. Clean arc sensors. Adjust sensitivity setting.
Poor visibility.	Dirty or scratched protective lenses. Incorrect shade setting.	Clean or replace protective lenses. Adjust shade setting for welding process.
Helmet feels uncomfortable.	Headgear not properly adjusted.	Adjust headgear straps and pivot points for a balanced fit.

7. SPECIFICATIONS

Feature	Specification
Viewing Area	3.94" x 3.14" (Main), 180° Panoramic View (with side views)
Optical Clarity	1/1/1/1 (True Color)
Shade Range	DIN 4 (Grind), DIN 5-8 (Cut), DIN 9-13 (Weld)
Arc Sensors	4
Switching Time	1/30000s (0.00003s)
Delay Control	0.1s ~ 1s (Adjustable)
Power Supply	Solar Cell & Replaceable CR2450 Lithium Battery
Material	PA (Polyamide)
Operating Temperature	14°F ~ 131°F (-10°C ~ +55°C)
Storage Temperature	-4°F ~ 158°F (-20°C ~ +70°C)
Item Weight	2.49 pounds
Model Number	BW-AR148-SV

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This YESWELDER welding helmet comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact YESWELDER customer support. We offer 24/7 customer support to assist you.



Image Description: A graphic displaying various certifications for reliability and highlighting customer support services, including a 1-year warranty and 24/7 customer support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question