

ARCCAPTAIN HSH-S800-Warrior

ARCCAPTAIN HSH-S800-Warrior Auto Darkening Welding Helmet Instruction Manual

Brand: ARCCAPTAIN | Model: HSH-S800-Warrior

INTRODUCTION

The ARCCAPTAIN HSH-S800-Warrior Auto Darkening Welding Helmet is designed to provide superior eye protection and clear visibility for various welding applications. Featuring a 1/1/1/1 optical clarity lens and advanced true color technology, this helmet ensures enhanced efficiency and precision. It is equipped with 4 premium arc sensors for rapid auto-darkening and is built with durable PA material for extended service life and all-day comfort.

SAFETY INFORMATION

Always prioritize safety when welding. This helmet provides essential eye and face protection, but proper welding practices must always be followed.

- **Eye Protection:** The helmet offers automatic DIN 16 UV/IR protection, effectively filtering harmful light. Always ensure the helmet is functioning correctly before starting any welding task.
- **Ventilation:** Ensure adequate ventilation in your work area to avoid inhaling hazardous fumes.
- **Protective Clothing:** Wear appropriate protective clothing, gloves, and footwear to prevent burns and injuries.
- **Electrical Safety:** Always follow electrical safety guidelines for your welding equipment.
- **Compliance:** This helmet complies with ANSI Z87.1/EN379 CE/CSA Z94.3 standards.

PRODUCT FEATURES

- **Larger & Clearer Screen:** Enjoy a viewing size of 3.86" x 1.69" with 1/1/1/1 optical clarity and true color technology for a realistic view. Compatible with cheater lenses/magnifying lenses.



Image: Upgraded 3.0 True Color lens with optimal eye protection, amazing clarity, solar cell and CR2450 lithium battery, and built-in 4 arc sensors.

- **Faster Auto-Darkening:** Equipped with 4 premium arc sensors, the lens switches from light to dark in 1/25000 seconds. Easily adjust shade and sensitivity for TIG/MIG/ARC welding. Dark state level: 4/9-13.
- **200% Longer Service Life:** Powered by solar cells and replaceable CR2450 lithium batteries. Made of high-quality PA material, offering shock, heat, and wear resistance.
- **All-Day Comfort:** Lightweight (1 lb) PA material with tensile strength up to 120MPa and flexural modulus up to 4000 MPa. Features an adjustable headband with breathable padding for a perfect fit.



Image: Adjustable headgear design with comfortable, sweatproof, and antiskid 130° adjustable features.

- **Best Eye Protection:** 12-in-1 smart filter with automatic DIN 16 UV/IR protection effectively filters harmful blue light, safeguarding your eyes.

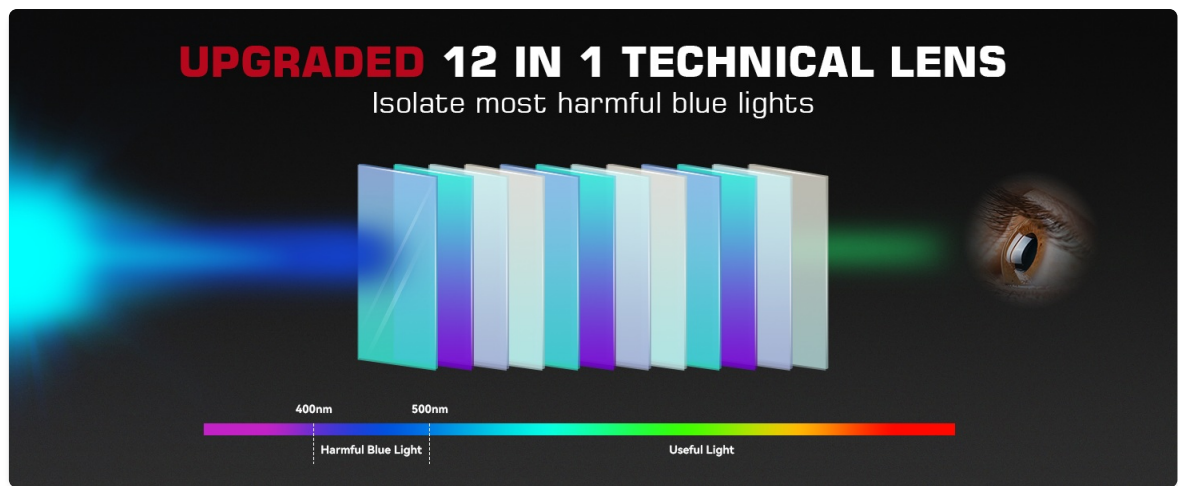


Image: Upgraded 12 in 1 Technical Lens isolating most harmful blue lights.

SETUP

Headgear Adjustment

Adjust the headband to ensure a snug yet comfortable fit. The adjustable headband is equipped with breathable padding to reduce pressure points. Use the rear knob to tighten or loosen the fit around your head. The helmet also features 130° adjustability for optimal positioning.

Battery Installation

The helmet is powered by solar cells and a replaceable CR2450 lithium battery. Ensure the battery is correctly installed according to the polarity markings. The solar cells help extend battery life.

Cheater Lens / Magnifying Lens

The helmet features a compatible design for cheater lenses or magnifying lenses. These can be easily installed to enhance visibility for users requiring magnification.



Image: Magnifying Lens Compatible Design showing where to insert the lens.

OPERATING INSTRUCTIONS

Mode Selection

The helmet supports both Weld Mode (TIG/MIG/ARC) and Grind Mode. Select the appropriate mode using the external controls on the helmet.

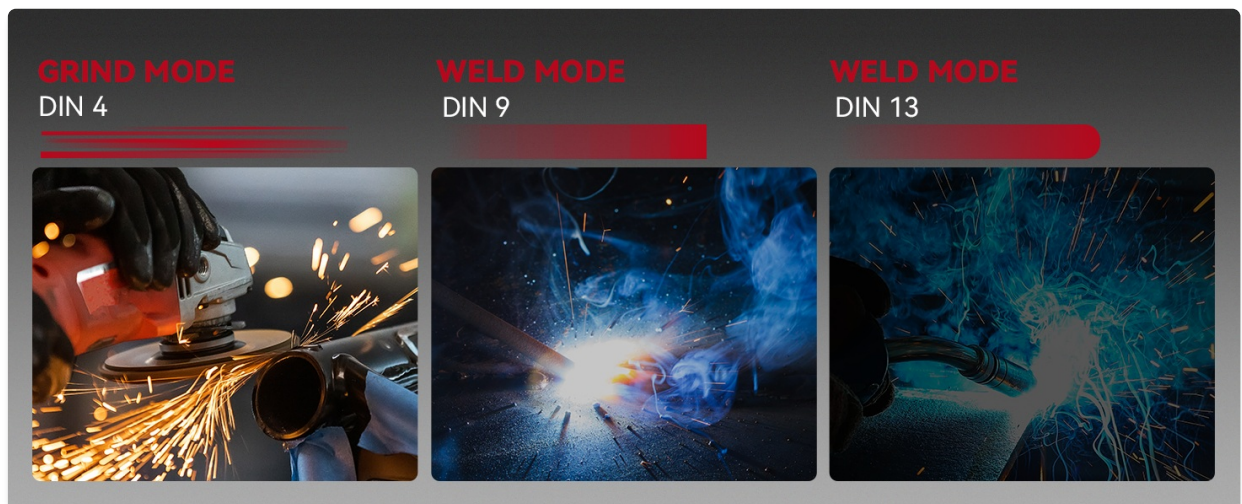


Image: Grind Mode at DIN 4 and Weld Modes at DIN 9 and DIN 13.

Shade and Sensitivity Adjustment

In Weld Mode, the dark state level can be adjusted from DIN 4/9-13. Use the external knob to fine-tune the shade level according to your welding process and amperage. Adjust the sensitivity to ensure the helmet darkens appropriately to the arc intensity.

Auto-Darkening Function

The helmet's 4 premium arc sensors detect the welding arc and automatically darken the lens within 1/25000 seconds, protecting your eyes instantly. The true color technology maintains clear visibility in both light and dark states.

MAINTENANCE

Cleaning

Regularly clean the helmet's outer and inner protective lenses with a soft, lint-free cloth. Avoid using abrasive cleaners or solvents that could damage the lens coating. Keep the helmet free from dust and debris.

Lens Replacement

The helmet comes with 3 replacement lenses. Replace the outer and inner protective lenses when they become scratched, pitted, or otherwise damaged to maintain optimal visibility and protection. Refer to the included user manual for detailed instructions on lens replacement.

Battery Check

Periodically check the CR2450 lithium battery. Replace it when necessary to ensure reliable auto-darkening function. The solar cells assist in charging, but the battery may still require replacement over time.

TROUBLESHOOTING

- **Helmet not darkening:** Check battery level and ensure it's properly installed. Verify arc sensors are clean and unobstructed. Adjust sensitivity settings.
- **Inconsistent darkening:** Ensure consistent arc stability. Clean arc sensors. Check for proper mode selection.
- **Discomfort:** Re-adjust headgear for a better fit. Ensure padding is correctly positioned.
- **Poor visibility:** Clean or replace protective lenses. Ensure true color technology is active (if applicable).

SPECIFICATIONS

Feature	Specification
Manufacturer	ARCCAPTAIN
Model Number	Xiaoping-Warrior-DE
Item Weight	1.83 pounds
Package Dimensions	11.69 x 10.12 x 7.64 inches
Batteries	1 Lithium Metal battery required (included)
Size	One size and Adjustable
Style	HSH-S800-Warrior
Material	Polyamide (PA)
Included Components	1x Random Cool Stickers, 1x User manual, 1x Welding helmet, 3 x Replacement Lens
Optical Clarity	1/1/1/1

Response Time	1/25000s
Dark State Level	4/9-13
UV/IR Protection	DIN 16

WARRANTY & SUPPORT

ARCCAPTAIN products typically come with a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official ARCCAPTAIN website for detailed warranty terms and conditions. For technical support, troubleshooting assistance, or parts inquiries, please contact ARCCAPTAIN customer service directly.