

- Manuals.plus /
- > [ANDELI](#) /
 - > ANDELI AKJBYSOON3SC1LEDs Automatic Darkening Welding Helmet User Manual

ANDELI AKJBYSOON3SC1LEDs

**ANDELI AKJBYSOON3SC1LEDs Automatic Darkening Welding
Helmet User Manual**

Model: AKJBYSOON3SC1LEDs | Brand: ANDELI

INTRODUCTION



Image: The ANDELI AKJBYSOON3SC1LEDs Automatic Darkening Welding Helmet with its integrated LED lights.

This manual provides essential instructions for the safe and effective use of your ANDELI Automatic Darkening Welding Helmet. This helmet is designed to enhance visibility and safety during welding operations. It features four 400-lumen LED lights for illuminating dark work areas, four highly reactive arc sensors for instant shade adjustment (up to UV/IR DIN16 protection), a large panoramic view (main screen 10 x 9.5 cm plus a side window), and true color accuracy (optical clarity 1/1/1/2) for improved welding precision and control.

PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- 1 x ANDELI Welding Helmet
- 1 x Portable Fabric Bag
- 1 x External Protective Lens
- 1 x Internal Protective Lens
- 2 x CR2032 Replaceable Lithium Batteries (built-in)



Image: Contents of the ANDELI Welding Helmet package, including the helmet, protective lenses, batteries, and a fabric bag.

SETUP

1. Headgear Adjustment

Adjust the headgear for a comfortable and secure fit. The helmet should sit firmly on your head without causing pressure points. Use the adjustment knobs and straps to customize the fit around your head and the distance from your face to the

lens.



Image: Diagram illustrating the adjustable headgear for a comfortable fit, showing rotation points and strap adjustments.

2. Battery Installation/Check

The helmet comes with two CR2032 lithium batteries pre-installed. Ensure they are correctly seated. If the low battery indicator appears (as shown in the "True Color Lens" image), replace the batteries. Refer to the maintenance section for battery replacement instructions.

3. Protective Lens Installation

Ensure both the external and internal protective lenses are clean and properly installed over the auto-darkening filter. These lenses protect the main filter from scratches and spatter.

OPERATING INSTRUCTIONS

1. Auto-Darkening Function

The helmet is equipped with four superior sensors that detect the welding arc. It automatically switches from a clear state to a dark state in approximately 1/25,000 seconds, protecting your eyes from harmful radiation. The helmet is designed to minimize false triggers from ambient light while remaining highly reactive to welding arcs.



Image: Detailed view of the True Color lens, showing the solar panel, arc sensors, and indicators for shade, mode, sensitivity, and delay settings. A low battery indicator is also visible.

2. Light Adjustment (LED Moner)

The helmet features integrated LED lights to illuminate your work area. These lights have two levels of brightness and a motion sensor function.

- **Motion Sensor Light Function:** Press the sensor switch. The indicator will turn green. The light will automatically turn ON when the sensor detects hand motion and turn OFF when motion is detected again.
- **Light Switch:** Press the light switch key to turn the lights ON. Click continuously to switch between high brightness and low brightness options.

TWO LEVELS OF LIGHT CAN BE ADJUSTED



MOTION SENSOR LIGHT FUNCTION

The Indicator will be green when you press the sensor switch , light will automatically ON when sensor switch detect hand motion, it will automatically OFF when sensor switch detect hand motion again.



LIGHT SWITCH

Press the key  Light up
Click continuously to switch between light and dark options



1 HIGH BRIGHTNESS



2 LOW BRIGHTNESS

Image: Illustration of the two levels of adjustable LED light, showing the motion sensor light function and the light switch for high and low brightness settings.

3. Setting Adjustments (Shade, Mode, Sensitivity, Delay)

The helmet features external controls for adjusting welding parameters:

- **Shade:** Adjust the darkness level according to your welding process and current. The range is typically 4/5-8/9-13.
- **Mode:** Select the appropriate mode for your task (e.g., Weld, Cut, Grind).
- **Sensitivity:** Controls how easily the sensors detect the arc and darken the lens. Adjust for different lighting conditions and welding processes.
- **Delay:** Sets the time the lens remains dark after the arc stops, preventing eye strain from afterglow.

4. Wide Application

This welding helmet is suitable for various welding and cutting applications, including:

- Cutting

- Grinding
- MMA (Manual Metal Arc) Welding
- MIG (Metal Inert Gas) Welding
- TIG (Tungsten Inert Gas) Welding



Image: Visual representation of the helmet's wide application across different welding processes like CUT, GRIND, MMA, MIG, and TIG.

MAINTENANCE

1. Cleaning the Helmet and Lenses

- Regularly clean the helmet shell with a soft, damp cloth. Avoid harsh chemicals or abrasive cleaners.
- Clean the protective lenses and the auto-darkening filter with a clean, lint-free cloth and a mild lens cleaning solution. Do not use solvents.
- Replace scratched or damaged protective lenses immediately to maintain optical clarity and protection.

2. Battery Replacement

When the low battery indicator illuminates, replace the two CR2032 batteries. Locate the battery compartment, typically on the auto-darkening filter cartridge. Carefully remove the old batteries and insert new ones, ensuring correct polarity. Dispose of old batteries responsibly.

3. Storage

Store the welding helmet in a clean, dry place, away from direct sunlight and extreme temperatures. Use the provided portable fabric bag for protection during storage and transport.

TROUBLESHOOTING

If you encounter issues with your ANDELI Welding Helmet, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lens does not darken when welding.	Low battery; sensors obstructed; incorrect sensitivity setting; helmet not facing arc.	Replace batteries; clean sensors; adjust sensitivity; ensure clear view of arc.
Poor visibility through the lens.	Dirty protective lenses; scratched lenses; incorrect shade setting.	Clean or replace protective lenses; adjust shade setting.
Helmet darkens intermittently or falsely.	Excessive ambient light; sensitivity too high; other light sources triggering sensors.	Reduce sensitivity; shield from other light sources.
LED lights not working.	Low battery; light switch off; motion sensor not activated.	Check/replace batteries; press light switch; activate motion sensor function.

If the problem persists after attempting these solutions, please contact ANDELI customer support.

SPECIFICATIONS

Feature	Detail
Model Name	ANDELI Welding Helmet
Model Number	AKJBYMOON3SC1LEDS
Brand	ANDELI
Color	Black
Material	Polypropylene
Dimensions (L x W x H)	30 x 25 x 30 cm
Item Weight	771.11 grams (1.7 lbs)
Viewing Area (Main Screen)	9.5 x 6.4 cm (approx. 3.74" x 2.52")
Side Window View	9.4 x 4.7 cm (DIN4, non-auto-darkening)
Optical Clarity	1/1/1/2

Feature	Detail
UV/IR Protection	Up to DIN16
Shade Range	4/5-8/9-13
Switching Time	1/25,000 seconds (clear to dark)
Arc Sensors	4
Power Source	Solar cell and 2 x CR2032 Lithium Batteries (included)
Included Components	Welding Helmet, Portable Fabric Bag, External Protective Lens, Internal Protective Lens



Image: Close-up of the auto-darkening filter, highlighting the main viewing area dimensions of 3.94" x 3.74".

WARRANTY AND SUPPORT

ANDELI products are manufactured to high-quality standards. For warranty information or technical support, please contact the ANDELI Official Store or your authorized retailer. Keep your purchase receipt as proof of purchase. The product is sold by "ANDELI Official Store" and fulfilled by Amazon, ensuring reliable service and support.

© 2025 ANDELI. All rights reserved.

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

you@example.com

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