

ILM WS206

ILM WS206 Modular Motorcycle Helmet User Manual

Model: WS206

1. IMPORTANT SAFETY INFORMATION

Your ILM WS206 helmet is designed to provide protection during motorcycle riding. Adherence to safety guidelines is crucial for your well-being.

- **DOT Safety Standard:** This helmet meets the DOT safety standard, indicating it has passed rigorous testing for impact protection.
- **Proper Fit:** Always ensure the helmet fits snugly and securely on your head. An improperly fitted helmet may not provide adequate protection.
- **Chin Strap:** Always fasten the quick-release chin strap securely before riding. The helmet must remain firmly on your head in the event of an impact.
- **Visor Use:** Use the appropriate visor for current riding conditions. The clear outer visor is for general use, while the inner sun visor helps reduce glare in bright conditions.
- **Helmet Condition:** Inspect your helmet regularly for any signs of damage, such as cracks in the shell, damaged visors, or worn padding. Do not use a damaged helmet.
- **Impact:** A helmet that has sustained an impact, even if it appears undamaged, should be replaced immediately. The protective properties may be compromised.
- **Chemicals:** Avoid exposing the helmet to petroleum products, cleaning agents, paints, or adhesives, as these can damage the helmet materials and compromise its protective capabilities.

2. PRODUCT OVERVIEW

The ILM WS206 is a modular full-face motorcycle helmet featuring a dual visor system and a flip-up design for enhanced convenience and versatility.

Key Features

- **Modular Flip-Up Design:** Allows the chin bar and outer visor to be raised, converting the helmet from full-face to open-face mode for convenience.

- **Dual Visor System:** Includes an outer clear visor and an inner retractable sun visor for adaptable vision in varying light conditions.
- **Ventilation System:** Equipped with upper and lower vents to improve airflow, reduce fogging, and enhance rider comfort.
- **Quick Release Buckle:** Provides easy and secure fastening and unfastening of the chin strap.
- **Removable and Washable Liners:** Interior padding can be removed for cleaning, ensuring hygiene and comfort.
- **Communication System Pockets:** Integrated speaker pockets facilitate the installation of communication devices.
- **Eyewear Compatible Design:** Designed to accommodate riders who wear glasses, providing a more comfortable fit.



Figure 2.1: The ILM WS206 modular helmet in gloss black, shown with the chin bar and outer visor in the open position.

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- ◆ Dual mode
- ◆ Built in Tan lens
- ◆ Built in glasses
- ◆ Communication System Speaker Pockets



Figure 2.2: Illustration of the helmet's modular design, demonstrating both full-face and open-face configurations with the inner sun visor.



Figure 2.3: Detail of the helmet's humanized design, highlighting the communication system speaker pocket and eyewear compatibility.



Figure 2.4: Internal components of the helmet, including the removable inner lining, quick buckle, chin guard, and neck brace.

3. SETUP AND SIZING

Sizing Guide

To ensure optimal protection and comfort, it is essential to select the correct helmet size. Measure your head circumference accurately before consulting the size chart.

Brand Size	Head Circumference (in)	Hat Size (in)
XS	20.9 - 21.3	6.6 - 6.8
S	21.7 - 22	6.9 - 7
M	22.4 - 22.8	7.1 - 7.3
L	23.2 - 23.6	7.4 - 7.5
XL	24 - 24.4	7.6 - 7.8
2XL	24.8 - 25.2	7.9 - 8

Sizing information is provided by the manufacturer and does not guarantee a perfect fit. Please use this chart as a guide only.

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Size Chart

- Measure the circumference of your head as shown.
- Put measuring tape above ears and slightly above eyebrows.
- Wrap around just below the crown on the back of your head.



SIZE	CM	INCHES	HAT SIZE
S	55 - 56	21 ⁵ / ₈ - 22	6 ⁷ / ₈ - 7
M	57 - 58	22 ¹ / ₂ - 22 ⁷ / ₈	7 ¹ / ₈ - 7 ¹ / ₄
L	59 - 60	23 ¹ / ₄ - 23 ⁵ / ₈	7 ³ / ₈ - 7 ¹ / ₂
XL	61 - 62	24 - 24 ³ / ₈	7 ⁵ / ₈ - 7 ³ / ₄
XXL	63 - 64	24 ³ / ₄ - 25 ¹ / ₄	7 ⁷ / ₈ - 8

Sizing information is provided by the manufacturer and does not guarantee a perfect fit. Please use this chart as a guide only.

Figure 3.1: ILM Motorcycle Helmet Size Chart.

First Use and Proper Fit

1. **Measure Your Head:** Use a flexible tape measure to find the circumference of your head, placing it about 1 inch (2.5 cm) above your eyebrows and ears.
2. **Select Size:** Refer to the size chart to find the corresponding helmet size. If your measurement falls between two sizes, try the smaller size first for a snug fit.
3. **Try On the Helmet:** Place the helmet on your head. It should feel snug around your cheeks and the top of your head without causing uncomfortable pressure points.
4. **Check for Movement:** With the chin strap unfastened, try to rotate the helmet from side to side and front to back. If it moves freely, it is too large.

5. **Fasten Chin Strap:** Secure the quick-release buckle. The strap should be tight enough that you cannot pull the helmet off your head by rolling it forward or backward. It should not choke you.
6. **Visibility:** Ensure your vision is unobstructed and that the visor operates smoothly.

4. OPERATING INSTRUCTIONS

Dual Visor Operation

The ILM WS206 helmet features two visors for different light conditions:

- **Outer Clear Visor:** This main visor provides a wide field of vision and protects against wind, debris, and insects. It can be raised or lowered manually.
- **Inner Sun Visor:** This tinted visor is designed to reduce glare from direct sunlight. It can be deployed or retracted using the slider mechanism located on the side of the helmet. Use the sun visor only in bright conditions and retract it in low light or at night.



Figure 4.1: Visor options for different weather conditions.

Modular Flip-Up Function

To raise the chin bar and outer visor:

1. Locate the release button or lever, typically found at the center front of the chin bar.
2. Press the button and lift the chin bar upwards until it locks into the open position.

To lower the chin bar and outer visor:

1. Press the release button again (if required by design) or simply pull the chin bar down.
2. Ensure it clicks securely into the closed, full-face position before riding.

Ventilation System

The helmet features multiple vents to manage airflow:

- **Upper Vent:** Located on the top of the helmet, this vent can be opened or closed to allow air intake and improve overall circulation.
- **Lower Vent:** Positioned on the chin bar, this vent helps direct airflow across the inner surface of the visor, reducing fogging and providing fresh air to the rider's face.

Adjust the vents as needed for comfort and to prevent visor fogging.



Figure 4.2: Ventilation system airflow diagram.



Figure 4.3: Multi-vent system detail.

Quick Release Buckle

To fasten the chin strap:

1. Insert the male end of the buckle into the female receiver until it clicks securely.
2. Adjust the strap length for a snug fit under your chin.

To unfasten the chin strap:

1. Press the red release tab on the buckle.
2. Pull the male end out of the receiver.



Figure 4.4: Quick release buckle mechanism.

5. MAINTENANCE AND CARE

Proper maintenance extends the life of your helmet and ensures its protective capabilities.

Cleaning the Helmet Shell

- Use a soft cloth dampened with mild soap and water.
- Avoid abrasive cleaners, solvents, or petroleum-based products, as these can damage the shell's finish and material integrity.
- Rinse thoroughly with clean water and dry with a soft, clean cloth.

Visor Care

- Clean visors with a soft cloth and mild soap and water.
- Do not use harsh chemicals or abrasive materials, which can scratch or damage the visor's coating.
- For stubborn dirt or insects, soak a soft cloth in warm water and place it over the visor for a few minutes to loosen debris before gently wiping clean.

Removable Lining Care

The inner lining and cheek pads are removable and washable:

1. Carefully remove the inner lining components from the helmet.
2. Hand wash using mild soap and cool water.
3. Rinse thoroughly and allow to air dry completely before reinstalling them into the helmet. Do not machine wash or tumble dry.



Figure 5.1: Removable and washable inner lining.

Storage

- Store your helmet in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid storing it near chemicals or solvents.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your ILM WS206 helmet.

- **Visor Fogging:** Ensure the lower chin vent is open to direct airflow across the visor. In cold or humid conditions, consider using an anti-fog treatment or a Pinlock-ready visor (if available and purchased separately).
- **Helmet Feels Too Tight/Loose:** Re-check your head measurement against the size chart. If the helmet is too tight, it may cause discomfort; if too loose, it compromises safety. Ensure the chin strap is properly adjusted.
- **Chin Bar Not Latching Securely:** Ensure the chin bar is fully lowered and pushed firmly until it clicks into place. Inspect the latching mechanism for any obstructions or damage.
- **Difficulty Operating Visors:** Check for any dirt or debris in the visor mechanism. Clean the tracks and pivot points. If a visor is scratched or damaged, it should be replaced.
- **Excessive Wind Noise:** Ensure all vents are closed if you wish to minimize wind noise. A proper fit is also crucial for reducing noise.

7. SPECIFICATIONS

Detailed specifications for the ILM WS206 Modular Motorcycle Helmet:


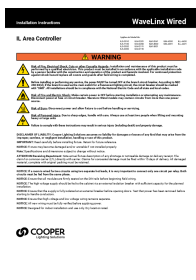

- **Model Name:** WS206
- **Brand:** ILM
- **Safety Rating:** DOT Certified
- **Shell Type:** Hard (ABC shell)
- **Liner Material:** Expanded Polystyrene (EPS)
- **Closure Type:** Quick Release Buckle

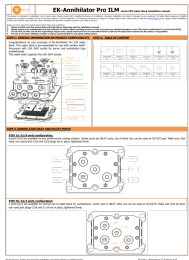
- **Number of Vents:** 6
- **Finish Type:** Glossy (for Gloss Black variant)
- **Item Weight:** Approximately 4.99 pounds (2.27 Kilograms)
- **Package Dimensions:** 16 x 11.2 x 11 inches
- **Material:** Thermoplastic, Expanded Polystyrene (EPS), and other materials
- **Vehicle Service Type:** Motorcycle
- **Special Features:** Dual Visor, Flip-up Modular Design, Communication System Pockets, Eyewear Compatible

8. WARRANTY AND SUPPORT

ILM stands behind the quality of its products. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your purchase or visit the official ILM website. If you encounter any issues or have questions regarding your ILM WS206 helmet, please contact ILM customer support through their official channels. When contacting support, please have your helmet model (WS206) and purchase information readily available. For more information, visit the [ILM Store on Amazon](#).

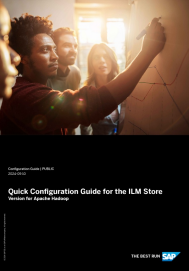
Related Documents - WS206

	<p>ILM Motorcycle Helmet Instruction Manual</p> <p>Comprehensive guide for ILM motorcycle helmets, covering safety, care, maintenance, restraint systems, and fast-release buckles. Includes important notices and warnings for optimal helmet performance and user safety.</p>
	<p>WaveLinx Wired IL Area Controller Installation Guide Cooper Lighting Solutions</p> <p>Detailed installation instructions for the Cooper Lighting WaveLinx Wired IL Area Controller, covering system setup, wiring, mounting, and safety guidelines for smart lighting control.</p>
	<p>EK-Pro CPU Water Block LGA-4189 User Guide</p> <p>Official user guide for the EK-Pro CPU Water Block LGA-4189, detailing installation, technical specifications, and support. Compatible with Intel Socket LGA-4189.</p>



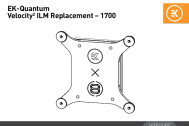
[EK-Annihilator Pro ILM CPU Water Block Installation Guide](#)

Comprehensive installation manual for the EK-Annihilator Pro ILM series CPU water block, detailing compatibility, port configurations, CPU preparation, thermal grease application, water block installation, and cooling loop connections for Intel LGA 3647 sockets.



[SAP ILM Store Quick Configuration Guide for Apache Hadoop](#)

A comprehensive guide to configuring the SAP Information Lifecycle Management (ILM) Store with Apache Hadoop. This document covers essential steps from prerequisites and authorizations to origin customization, publishing, maintenance, security, and testing procedures.



[EK-Quantum Velocity² ILM Replacement - 1700 User Guide | Enhance CPU Cooling](#)

Detailed user guide for installing the EK-Quantum Velocity² ILM Replacement for LGA 1700 sockets. Includes box contents, dimensions, technical specifications, and step-by-step installation instructions for PC builders.