

ILM E3-12LS

ILM E3-12LS Smart Adult Bike Helmet User Manual

Model: E3-12LS

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your ILM E3-12LS Smart Adult Bike Helmet. Designed for road cycling, this helmet integrates advanced safety features, including automatic G-sensor turn signals, brake warning LED lights, and Bluetooth 5.0 connectivity. Please read this manual thoroughly before using your helmet to ensure optimal performance and safety.

SAFETY INFORMATION

The ILM E3-12LS helmet is certified to NTA-8776, CE, and CPSC standards, offering enhanced protection for e-bike speeds up to 28 mph. It is crucial to always wear your helmet correctly and ensure a snug fit. Regularly inspect your helmet for any signs of damage. A damaged helmet must be replaced immediately, as its protective capabilities may be compromised.

Important: The automatic turn signals and light control functions are designed for enhanced visibility but do not replace standard hand signals or adherence to traffic laws. Always remain aware of your surroundings.

PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x ILM E3-12LS Smart Helmet
- 1 x Black Visor
- 1 x Remote Controller
- 1 x USB Type-C Charging Cable
- 1 x User Manual
- 2 x Windproof Plugs
- 1 x Bluetooth Ear Pad (requires user installation)

ILM SMART BIKE HELMET

Size Chart

Please note the helmet runs small,
it's suggested to size up if you're between sizes.

SIZE	CM	INCHES	HAT SIZE
S/M	55 - 58	21 $\frac{5}{8}$ - 22 $\frac{7}{8}$	6 $\frac{7}{8}$ - 7 $\frac{1}{4}$
L/XL	58 - 61	22 $\frac{7}{8}$ - 24	7 $\frac{1}{4}$ - 7 $\frac{5}{8}$
XXL	61 - 63	24 - 24 $\frac{3}{4}$	7 $\frac{5}{8}$ - 7 $\frac{7}{8}$

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



Image: All components included in the ILM E3-12LS Smart Helmet package.

SETUP GUIDE

1. Helmet Fitting

Proper helmet fit is essential for safety. Refer to the size chart below to ensure your helmet fits snugly and comfortably. The helmet should sit level on your head, covering your forehead, and the chin strap should be securely fastened without being too tight.

US Sport Helmet Size Chart

Brand Size	Head Circumference (in)	Hat Size (in)
S/M	21.6 - 22.9	6.9 - 7.3
L/XL	22.9 - 24	7.3 - 7.6
XXL	24 - 24.8	7.6 - 7.9

Note: Helmet sizes may run small. If you are between sizes, it is suggested to size up.

3 LIGHT MODES

When the rear blue light is always on, it means the light is in light-on mode.
Under light-on mode, short press the power button one time to change the light mode

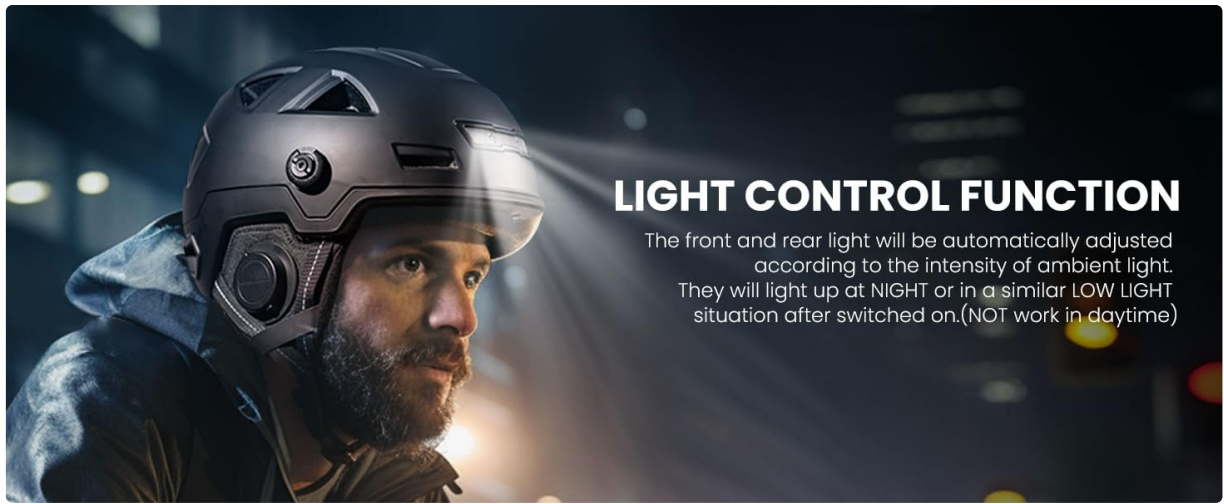
MODE 1	MODE 2	MODE 3
Front Light: steady	Front Light: steady	Front Light: steady
Rear Light: flash twice	Rear Light: steady	Rear Light: fast flash



Image: Visual guide for helmet sizing and proper fit.

2. Installing Bluetooth Ear Pads

The Bluetooth ear pads are included separately and require user installation. Carefully align the ear pads with the designated slots inside the helmet and press firmly until they are securely attached. Ensure the speaker components are positioned comfortably over your ears.



LIGHT CONTROL FUNCTION

The front and rear light will be automatically adjusted according to the intensity of ambient light. They will light up at NIGHT or in a similar LOW LIGHT situation after switched on.(NOT work in daytime)

Image: Step-by-step visual guide for installing the Bluetooth ear pads.

3. Charging the Helmet

Before first use, fully charge the helmet's internal battery using the provided USB Type-C charging cable. Locate the charging port, typically on the side or rear of the helmet. Connect the cable to the helmet and a suitable USB power source. An indicator light will show charging status. Ensure the charging cable is fully seated to prevent connection issues.

Light Control Function

After the main board is switched on, the light controls will not light up in the daytime , but will automatically light up at night or in a similar low light situation.

 With Bluetooth



Image: The USB Type-C charging port on the helmet.

4. Attaching the Visor

The helmet comes with a detachable black visor designed to protect against sunlight, dust, and flying debris. Align the visor's attachment points with the corresponding slots on the helmet and firmly snap it into place. Ensure it is securely fastened before riding.

Good for safety Nice glasses attachment.

Detachable black lens design, anti-strong sunlight, dust, flying stones



Image: The detachable black visor attached to the helmet.

OPERATING INSTRUCTIONS

1. Power On/Off

To power on the helmet, press and hold the main power button (usually located on the rear or side) until the LED lights illuminate. To power off, press and hold the same button until the lights turn off.

2. Bluetooth 5.0 Connectivity

The helmet features Bluetooth 5.0 for connecting to your mobile phone or other Bluetooth-enabled devices. This allows for music playback, answering calls, and voice assistant functionality.

1. **Pairing Mode:** With the helmet powered on, activate Bluetooth on your mobile device. The helmet should appear as "E3-12SLBT" in your device's Bluetooth settings.

2. **Connect:** Select "E3-12SLBT" to pair. A voice prompt will confirm successful connection.
3. **Controls:** Use the integrated controls on the helmet's ear pads or the remote controller to manage music playback, answer/end calls, and activate your device's voice assistant.

Gravity Sensing Turn Signal Safer and Smarter

Light time in one charge: 5H



Image: Bluetooth pairing process with a mobile device.

3. Light Control Function

The helmet's front and rear lights automatically adjust based on ambient light intensity. They will illuminate automatically in low-light conditions or at night after being switched on. This function does not operate during daytime.

- **Automatic Mode:** When the rear blue light is steady, the helmet is in light-on mode.
- **Changing Modes:** In light-on mode, short press the power button once to cycle through different light modes (e.g., Front Light: steady, Rear Light: flash twice; Front Light: steady, Rear Light: steady; Front

Light: steady, Rear Light: fast flash).

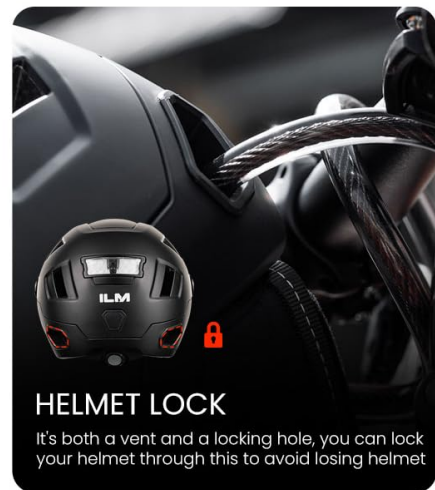
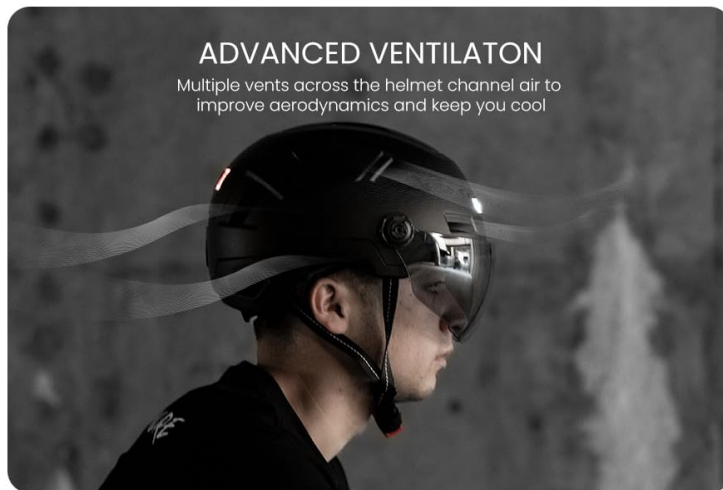


Image: Helmet's automatic light control function in action.

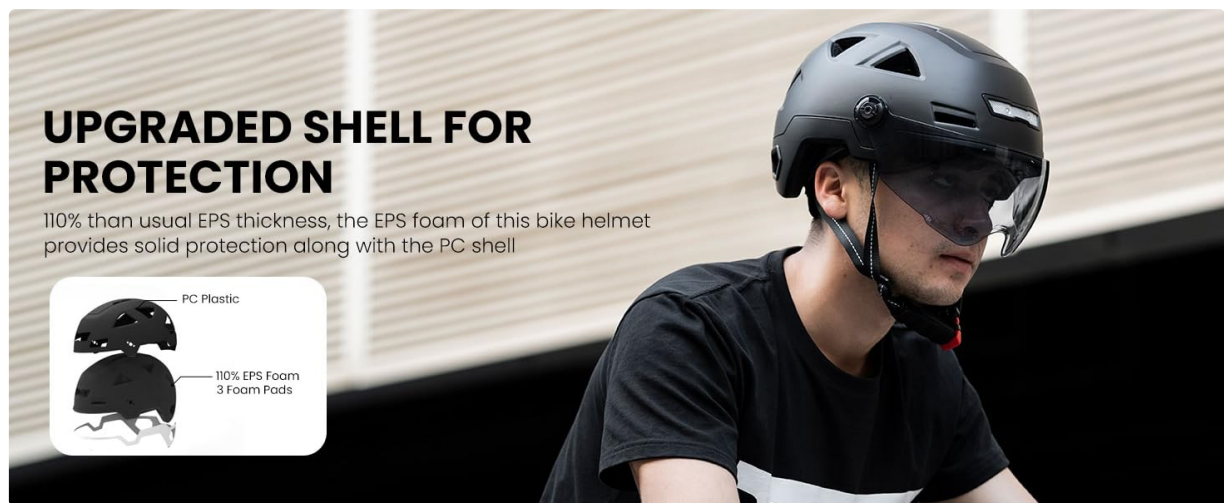


Image: Explanation of the three light modes.

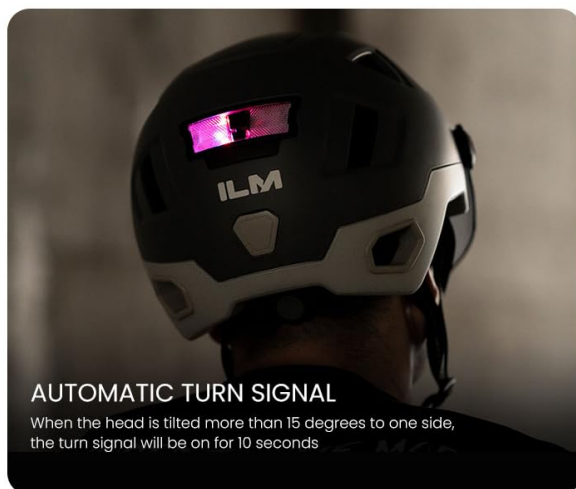
4. Automatic Brake Lights & Turn Signals

The helmet features an automatic G-sensor for enhanced signaling:

- **Brake Warning:** During emergency braking, the rear lights will automatically increase to 100% brightness to alert vehicles behind you.
- **Turn Signals:** Tilting your head more than 15 degrees to the left activates the left turn signal for 10 seconds. Tilting your head more than 15 degrees to the right activates the right turn signal for 10 seconds. This function does not operate during daytime.

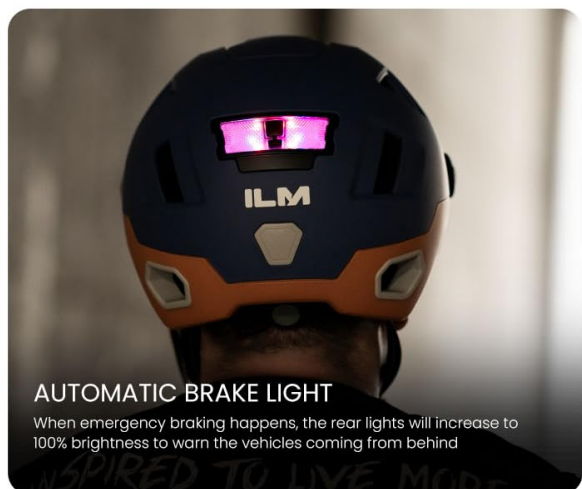


Image: Rear LED lights indicating brake warning.



AUTOMATIC TURN SIGNAL

When the head is tilted more than 15 degrees to one side, the turn signal will be on for 10 seconds



AUTOMATIC BRAKE LIGHT

When emergency braking happens, the rear lights will increase to 100% brightness to warn the vehicles coming from behind

Image: Automatic turn signal activation based on head tilt.

5. Remote Controller

The included remote controller can be mounted on your bike's handlebars for convenient control of the helmet's functions, such as turn signals and light modes, without needing to remove your hands from the handlebars.

Tow Locks

It's both a vent and a locking hole, you can lock your helmet through this to avoid losing helmet.



Image: Remote controller for helmet functions.

MAINTENANCE

1. Cleaning the Helmet

Clean the helmet's exterior with a soft, damp cloth and mild soap. Avoid harsh chemicals or abrasive materials that could damage the finish or internal components. The inner padding can be removed and hand-washed with mild detergent, then air-dried completely before reinstallation.



Image: Removable internal padding for cleaning.

2. Battery Care

To prolong battery life, avoid fully discharging the helmet's battery frequently. Charge the helmet regularly, even if not in use for extended periods (e.g., once every 3 months). Use only the provided charging cable.

3. Storage

Store the helmet in a cool, dry place away from direct sunlight and extreme temperatures. Do not place heavy objects on the helmet, as this can deform its structure and compromise safety.

TROUBLESHOOTING

1. Charging Issues

If the helmet is not charging, ensure the USB Type-C cable is fully and securely inserted into the charging port. Some users have reported that the charging port cover might obstruct proper connection, or the cable may not seat correctly. Verify that the charging cable and power source are functional by testing them with another device.

2. Bluetooth Connection Problems

If the helmet fails to pair or maintain a Bluetooth connection, try the following:

- Ensure the helmet is fully charged.
- Turn off and on the helmet's Bluetooth.
- Forget the device ("E3-12SLBT") from your phone's Bluetooth settings and attempt to re-pair.
- Ensure your phone is within the 10-meter (33 ft) Bluetooth range.

3. Lights Not Functioning

If the lights are not working, check the battery level. Remember that automatic light functions and turn signals may not be visible or active in bright daylight conditions. Ensure the helmet is powered on and in an appropriate light mode.

SPECIFICATIONS

- **Brand:** ILM
- **Model Name:** E3-12LS
- **Age Range:** Adult

- **Outer Material:** Polycarbonate (PC)
- **Inner Material:** Expanded Polystyrene (EPS)
- **Special Features:** Bluetooth, Lightweight, Visor, Automatic G-Sensor Turn Signal, Brake Warning LED Light Control
- **Certifications:** NTA-8776, CE, CPSC
- **Item Package Dimensions:** 11.75 x 9.6 x 7.5 inches
- **Package Weight:** 1.09 Kilograms
- **Sport Type:** Cycling

Your browser does not support the video tag.

Video: Official product video showcasing the ILM Bluetooth Smart Bike LED Helmet features and design.

Your browser does not support the video tag.

Video: Official test video demonstrating the ILM E3-12LS helmet's compliance with NTA8776 safety standards through impact testing.

WARRANTY INFORMATION



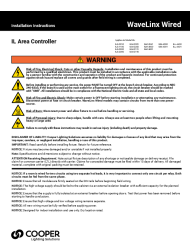
ILM guarantees that the helmets are free of charge for failures caused by defects in materials and workmanship under normal use. For specific warranty claims or further details, please refer to the official ILM website or contact customer support.


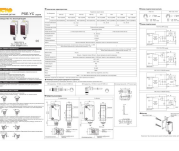

CUSTOMER SUPPORT

For any questions, technical assistance, or support regarding your ILM E3-12LS Smart Adult Bike Helmet, please visit the official ILM website or contact their customer service department. Contact information can typically be found on the product packaging or the brand's official online presence.

ILM Store: [Visit the ILM Store on Amazon](#)

Related Documents - E3-12LS

	<p>ILM APP</p> <p>ILM</p>
	<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>2019 RATIO</p> <p>TECHNICAL & SERVICE MANUAL</p> <p>PEFY-P20VMALL-E3 PEFY-P21VMALL-E3 PEFY-P22VMALL-E3 PEFY-P23VMALL-E3 PEFY-P24VMALL-E3 PEFY-P25VMALL-E3 PEFY-P26VMALL-E3 PEFY-P27VMALL-E3 PEFY-P28VMALL-E3 PEFY-P29VMALL-E3 PEFY-P30VMALL-E3 PEFY-P31VMALL-E3 PEFY-P32VMALL-E3 PEFY-P33VMALL-E3 PEFY-P34VMALL-E3 PEFY-P35VMALL-E3 PEFY-P36VMALL-E3 PEFY-P37VMALL-E3 PEFY-P38VMALL-E3 PEFY-P39VMALL-E3 PEFY-P40VMALL-E3 PEFY-P41VMALL-E3 PEFY-P42VMALL-E3 PEFY-P43VMALL-E3 PEFY-P44VMALL-E3 PEFY-P45VMALL-E3 PEFY-P46VMALL-E3 PEFY-P47VMALL-E3 PEFY-P48VMALL-E3 PEFY-P49VMALL-E3 PEFY-P50VMALL-E3 PEFY-P51VMALL-E3 PEFY-P52VMALL-E3 PEFY-P53VMALL-E3 PEFY-P54VMALL-E3 PEFY-P55VMALL-E3 PEFY-P56VMALL-E3 PEFY-P57VMALL-E3 PEFY-P58VMALL-E3 PEFY-P59VMALL-E3 PEFY-P60VMALL-E3 PEFY-P61VMALL-E3 PEFY-P62VMALL-E3 PEFY-P63VMALL-E3 PEFY-P64VMALL-E3 PEFY-P65VMALL-E3 PEFY-P66VMALL-E3 PEFY-P67VMALL-E3 PEFY-P68VMALL-E3 PEFY-P69VMALL-E3 PEFY-P70VMALL-E3 PEFY-P71VMALL-E3 PEFY-P72VMALL-E3 PEFY-P73VMALL-E3 PEFY-P74VMALL-E3 PEFY-P75VMALL-E3 PEFY-P76VMALL-E3 PEFY-P77VMALL-E3 PEFY-P78VMALL-E3 PEFY-P79VMALL-E3 PEFY-P80VMALL-E3 PEFY-P81VMALL-E3 PEFY-P82VMALL-E3 PEFY-P83VMALL-E3 PEFY-P84VMALL-E3 PEFY-P85VMALL-E3 PEFY-P86VMALL-E3 PEFY-P87VMALL-E3 PEFY-P88VMALL-E3 PEFY-P89VMALL-E3 PEFY-P90VMALL-E3 PEFY-P91VMALL-E3 PEFY-P92VMALL-E3 PEFY-P93VMALL-E3 PEFY-P94VMALL-E3 PEFY-P95VMALL-E3 PEFY-P96VMALL-E3 PEFY-P97VMALL-E3 PEFY-P98VMALL-E3 PEFY-P99VMALL-E3 PEFY-P100VMALL-E3</p> <p>CITY MULTI</p>	<p>Mitsubishi Electric CITY MULTI Air Conditioner Technical & Service Manual</p> <p>Comprehensive technical and service manual for Mitsubishi Electric CITY MULTI air conditioning units, covering installation, components, specifications, troubleshooting, and disassembly procedures for models PEFY-P...VMA(L)-E3 series.</p>
 <p>TEKO PSE-YC Series Photoelectric Sensors</p>	<p>Teko PSE-YC Series Photoelectric Sensors: Operation Manual & Specifications</p> <p>Comprehensive guide to Teko's PSE-YC series photoelectric sensors, covering technical specifications, wiring diagrams, mounting instructions, precautions, and distance adjustment for industrial automation.</p>
 <p>ILM APP</p>	<p>ILM APP</p> <p>ILM</p>