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> LS2 Helmets Strobe II Modular Bluetooth Motorcycle Helmet User Manual

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User Instruction Manual

INTRODUCTION

Thank you for choosing the LS2 Strobe II Modular Bluetooth Motorcycle Helmet. This helmet is engineered to provide advanced protection, comfort, and integrated communication for motorcyclists. Featuring a Kinetic Polymer Alloy (KPA) shell and LS2's proprietary Advanced Rotational Energy Management (AREM) technology, the Strobe II meets or exceeds ECE 22.06 and DOT FMVSS 218 standards. Its modular design allows for versatile use, while the integrated Bluetooth 5.2 system, developed by Cardo, enables seamless communication. Please read this manual thoroughly before using your helmet to ensure proper fit, operation, and maintenance.



Image: LS2 Strobe II Modular Bluetooth Motorcycle Helmet in Gloss White. This image displays the helmet from a front-side angle, showcasing its modular chin bar, clear visor, integrated sun shield, and the LS2 4x Bluetooth communication unit mounted on the side.

SAFETY INFORMATION

Your safety is paramount. Always wear a helmet that fits correctly and is securely fastened. This helmet is designed to absorb impact energy through partial destruction of the shell and liner. This damage may not be visible.

- **Certification:** The LS2 Strobe II helmet meets or exceeds ECE 22.06 and DOT FMVSS 218 standards, ensuring compliance with rigorous safety requirements.
- **Impact Protection:** The Kinetic Polymer Alloy (KPA) shell and Advanced Rotational Energy Management (AREM) technology are designed to manage and dissipate impact forces.
- **Chin Strap:** Always ensure the quick-release chin strap is securely fastened and adjusted snugly under your chin before riding.

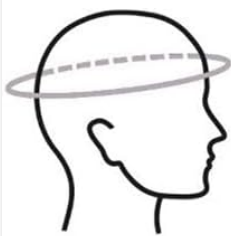
- **Visibility:** Ensure your visor is clean and free from obstructions. Use the integrated sun shield responsibly, lowering it only when necessary to reduce glare and raising it in low-light conditions or tunnels.
- **Helmet Damage:** If the helmet sustains an impact, even if it appears undamaged, it should be replaced. The protective capabilities may be compromised.

SETUP AND FITTING

1. Sizing and Fit

A properly fitting helmet is crucial for safety and comfort. Follow these steps to determine your correct helmet size:

Sizing Information



1. Locate Your Measuring Tool

Wrap your measuring tool around your head, just above your eyebrows. If you're using string, mark the point where it overlaps, then measure using your straight roller.

2. Measure Your Head

Flexible measuring tape is easiest option or you can also use a piece of string and a straight ruler. *flexible measuring tape is the most accurate way to measure*

Adult Sizes	Head Circumference
XXS	51-52 cm
XS	53-54 cm
S	55-56 cm
M	57-58 cm
LG	59-60 cm
XL	61-62 cm
2X	63-64 cm
3X	65-66 cm
4X	67-68 cm

Image: Helmet Sizing Information Chart. This diagram illustrates how to measure head circumference for helmet sizing, accompanied by a table mapping head circumference in centimeters to adult helmet sizes (XXS to 4X).

- 1. Locate Your Measuring Tool:** Use a flexible measuring tape. If unavailable, a piece of string and a straight ruler can be used.
- 2. Measure Your Head:** Wrap the measuring tool around your head, just above your eyebrows. Ensure it is snug but not tight. Mark the point where it overlaps, then measure the length.
- 3. Consult the Sizing Chart:** Refer to the table below to find the corresponding helmet size for your head circumference.

Helmet Sizing Chart

Adult Sizes	Head Circumference (cm)
XXS	51-52 cm
XS	53-54 cm
S	55-56 cm
M	57-58 cm
LG	59-60 cm
XL	61-62 cm
2X	63-64 cm
3X	65-66 cm
4X	67-68 cm

Once you have selected a helmet, try it on. It should fit snugly around your entire head, with no pressure points. The helmet should not move freely when you shake your head.

2. Bluetooth System (LS2 4x by Cardo) Setup

The LS2 Strobe II helmet comes with a pre-installed LS2 4x Bluetooth communication system, developed by Cardo.

- **Power On/Off:** Refer to the specific instructions provided with the LS2 4x unit for powering on and off.
- **Pairing:**
 - **Device Pairing:** To pair with your mobile phone or GPS device, activate Bluetooth pairing mode on the LS2 4x unit and select it from your device's Bluetooth settings.
 - **Intercom Pairing:** The LS2 4x supports connection with up to four riders over a maximum distance of 1.2 km. For intercom pairing with other LS2 4x units or OBI (Open Bluetooth Intercom) standard systems from other manufacturers, follow the pairing instructions specific to the LS2 4x unit.
- **Firmware Updates:** The LS2 4x is designed for wireless updates. Regularly check for and install firmware updates to ensure optimal performance and access to new features.

OPERATING INSTRUCTIONS

1. Modular Chin Bar Operation

The Strobe II features a modular design, allowing the chin bar to be raised or lowered.

- **To Raise:** Locate the release mechanism (typically a button or lever) at the front of the chin bar. Press or slide the mechanism and pivot the chin bar upwards until it locks into the open position.
- **To Lower:** Press the release mechanism again and pivot the chin bar downwards until it securely latches into the closed, full-face position. Ensure it is fully locked before riding. The helmet is ECE P/J rated, meaning it is homologated for use in both open-face (chin bar up) and full-face (chin bar down) configurations.

2. Integrated Sun Shield

A convenient built-in, drop-down sun shield is integrated into the helmet.

- **To Lower:** Use the slider or lever located on the side of the helmet to deploy the sun shield.
- **To Raise:** Slide the mechanism back to retract the sun shield into the helmet shell.
- **Caution:** The sun shield is intended for daytime use in bright conditions. Do not use the sun shield at night or in low-light conditions as it may impair visibility.

3. Bluetooth Communication (LS2 4x)

The LS2 4x system provides advanced communication features.

- **Intercom:** Connect with up to four riders for group communication. The maximum range is 1.2 km (0.75 miles).
- **Natural Voice Control:** Utilize voice commands for hands-free operation of various functions. Refer to the LS2 4x user guide for a complete list of commands.
- **Audio:** Sound is output via integrated speakers. Ensure speakers are positioned correctly for optimal audio quality.
- **Waterproof Design:** The LS2 4x unit is fully waterproof, allowing for use in various weather conditions.

MAINTENANCE

Proper maintenance will extend the life of your helmet and ensure its protective capabilities.

- **Liner Cleaning:** The helmet features a removable liner with a special flex-crown system. Remove the liner according to the instructions (usually snaps or Velcro) and hand wash with mild soap and water. Allow to air dry completely before reinserting.
- **Shell Cleaning:** Clean the helmet shell with a soft, damp cloth and mild soap. Avoid harsh chemicals, solvents, or abrasive cleaners, as these can damage the shell material and protective coatings.
- **Visor and Sun Shield Cleaning:** Clean visors and sun shields with a soft cloth and warm water. Specialized helmet visor cleaners can also be used. Do not use abrasive materials that could scratch the surface.
- **Storage:** Store your helmet in a cool, dry place away from direct sunlight and extreme temperatures. Use a helmet bag to protect it from scratches.

TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Helmet feels too tight or too loose.	Incorrect size or improper fit.	Re-measure your head and compare with the sizing chart. Ensure the helmet is seated correctly on your head.
Chin bar does not lock securely.	Mechanism obstructed or not fully engaged.	Ensure no debris is blocking the locking mechanism. Apply firm, even pressure until it clicks into place. If issue persists, contact support.
Bluetooth unit not pairing or connecting.	Unit not in pairing mode, out of range, or low battery.	Ensure the LS2 4x unit is charged and in pairing mode. Move closer to the device. Refer to the LS2 4x specific manual for detailed pairing steps.
Audio quality from Bluetooth is poor.	Speakers misaligned or volume too low/high.	Adjust speaker position inside the helmet. Adjust volume on the LS2 4x unit or connected device.

SPECIFICATIONS

- **Model Name:** LS2 Strobe II Modular Bluetooth Motorcycle Helmet
- **Manufacturer:** LS2 Helmets
- **Manufacturer Part Number:** 908-5025
- **Shell Material:** Kinetic Polymer Alloy (KPA)
- **Liner Material:** Suede, Cotton, Polyester (removable and washable)
- **Safety Certifications:** Meets or exceeds ECE 22.06 and DOT FMVSS 218 standards
- **Helmet Shape:** Intermediate Oval Fit
- **Closure Type:** Quick Release Chin Strap
- **Integrated Features:** Drop-down Sun Shield
- **Bluetooth System:** LS2 4x (developed by Cardo), Bluetooth 5.2 technology

- **Bluetooth Intercom Range:** Up to 1.2 km (0.75 miles) for 4 riders
- **Bluetooth Features:** Natural Voice control, wireless updates, fully waterproof, Open Bluetooth Intercom (OBI) standard compatible
- **Item Weight:** Approximately 5.84 pounds (2.65 kg)
- **Product Dimensions:** Approximately 16 x 12 x 12 inches (40.6 x 30.5 x 30.5 cm)
- **Color (as reviewed):** Gloss White
- **Vehicle Service Type:** Motorcycle
- **Sport:** Motorcycling

WARRANTY AND SUPPORT

For specific warranty information regarding your LS2 Strobe II helmet, please refer to the warranty card included with your purchase or visit the official LS2 Helmets website.

If you encounter any issues not covered in this manual or require further assistance, please contact LS2 Helmets customer support.

- **LS2 Helmets Official Website:** www.ls2helmets.com (Please check the official website for the most current contact information and support resources.)
- **Bluetooth System Support:** For detailed support on the LS2 4x Bluetooth system, refer to the Cardo Systems support resources, as the unit is developed by Cardo.