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Airoh Mathisse II - MTH298

Airoh Mathisse II MTH298 Modular Motorcycle Helmet User Manual

Model: Mathisse II - MTH298 | Brand: Airoh

1. INTRODUCTION

This manual provides essential information for the safe and effective use, maintenance, and care of your Airoh Mathisse II MTH298 modular motorcycle helmet. Please read these instructions carefully before using your helmet for the first time and retain them for future reference. Proper use and maintenance are crucial for your safety and the longevity of the helmet.

2. PRODUCT OVERVIEW

The Airoh Mathisse II MTH298 is a modular motorcycle helmet designed for versatility and protection. It features a Thermoplastic HRT (High Resistant Thermoplastic) shell, offering a balance of strength and lightweight comfort. The modular design allows the chin bar to be raised, converting the helmet from a full-face to an open-face configuration.



Figure 2.1: Front view of the Airoh Mathisse II MTH298 modular helmet. This image shows the helmet in its full-face configuration, highlighting its overall shape and visor.

Key Features:

- **Modular Design:** Allows conversion between full-face and open-face.
- **Shell Material:** Thermoplastic HRT for durability.
- **Visor System:** Integrated clear visor.
- **Retention System:** Secure chin strap for proper fit.

3. SETUP AND FITTING

3.1 Choosing the Correct Size

A properly fitting helmet is crucial for safety. To determine your helmet size, measure the circumference of your head approximately 2.5 cm (1 inch) above your eyebrows. Compare your measurement to the size chart below. If your measurement falls between two sizes, it is generally recommended to choose the smaller size for a snug fit, provided it is comfortable and does not cause pressure points.



Figure 3.1: Helmet Size Chart. This chart provides head circumference measurements corresponding to helmet sizes XS through XXL.

Helmet Size Guide

Size	Head Circumference
XS	53-54 cm
S	55-56 cm
M	57-58 cm
L	59-60 cm
XL	61-62 cm
XXL	63 cm

3.2 Wearing the Helmet

1. Grasp the chin straps and pull the helmet onto your head.
2. Ensure the helmet sits level on your head, with the top edge of the eyeport just above your eyebrows.
3. Fasten the chin strap securely. The strap should be snug under your chin, allowing only enough room for one finger between the strap and your chin.
4. Perform a "roll-off" test: With the chin strap fastened, try to roll the helmet off your head from the back. If it comes off, it is too large or not properly fastened.
5. Perform a "side-to-side" test: With the chin strap fastened, try to rotate the helmet from side to side. Your skin should move with the helmet. If the helmet slides independently, it is too large.

4. OPERATING THE HELMET

4.1 Modular Chin Bar Operation

The Mathisse II MTH298 features a modular chin bar that can be raised or lowered. To raise the chin bar, locate the release mechanism (usually a button or lever) at the front center of the chin bar. Press the mechanism and lift the chin bar upwards until it locks into the open position. To lower it, press the release mechanism again and gently push the chin bar down until it securely latches into the closed, full-face position. Always ensure the chin bar is fully locked in place before riding.

4.2 Visor Operation

The clear outer visor can be opened and closed by grasping the tab located on the lower edge of the visor and rotating it upwards or downwards. The visor has multiple detent positions to allow for varying levels of airflow. For optimal visibility, ensure the visor is clean and free from scratches.

XS	53-54cm
S	55-56cm
M	57-58cm
L	59-60cm
XL	61-62cm
XXL	63cm

Figure 4.1: Side view of the Airoh Mathisse II MTH298 helmet with the chin bar in the raised position, demonstrating its modular functionality.

5. MAINTENANCE AND CARE

5.1 Cleaning the Helmet Shell

Clean the helmet shell with a soft cloth, warm water, and mild soap. Avoid harsh chemicals, solvents, or abrasive cleaners, as these can damage the helmet's finish and structural integrity. Rinse thoroughly and dry with a soft, clean cloth.

5.2 Cleaning the Visor

Remove the visor from the helmet according to the manufacturer's instructions (refer to the Airoh official website or included documentation for specific removal steps). Wash the visor with warm water and mild soap. Use a soft cloth or sponge. Do not use abrasive materials or harsh chemicals. Rinse thoroughly and allow to air dry, or gently pat dry with a microfiber cloth. Avoid wiping the visor when dry, as this can cause scratches.

5.3 Cleaning the Interior Lining

The interior comfort lining is typically removable for washing. Carefully detach the lining components. Hand wash them in cool water with a mild detergent. Allow them to air dry completely before re-installing them into the helmet. Ensure all components are securely re-installed before use.

5.4 Storage

Store your helmet in a cool, dry place away from direct sunlight and extreme temperatures. Keep it away from chemicals, fuels, and cleaning agents that could degrade the helmet materials. It is recommended to store the helmet in a helmet bag to protect it from dust and scratches.

6. TROUBLESHOOTING

6.1 Visor Fogging

If your visor fogs up, try opening it slightly to allow for better airflow. Ensure all vents on the helmet are open. Consider using an anti-fog insert or spray designed for motorcycle helmet visors.

6.2 Loose Chin Strap

Regularly check the chin strap for wear and tear. If the strap feels loose after fastening, re-adjust it for a snug fit. If the strap mechanism is damaged or worn, the helmet should be replaced or inspected by a professional.

6.3 Excessive Wind Noise

Ensure the visor is fully closed and the chin bar is securely latched. Check for any gaps around the visor seal. Wind noise can also be influenced by motorcycle fairings and riding posture.

7. SPECIFICATIONS

Model: Mathisse II - MTH298

Shell Material: Thermoplastic HRT (High Resistant Thermoplastic)

Color: Gris Cemento Gloss (Cement Grey Gloss)

Dimensions: Approximately 40 x 40 x 40 cm

Weight: Approximately 1 kg

Manufacturer: Airoh

Product Number: AI59A13MT211C-XS (Note: Specific product number may vary by size)

Vehicle Service Type: Motorcycle, UTV

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official Airoh website. For technical support, spare parts, or further assistance, please contact your authorized Airoh dealer or the customer service department of MOTOTOPGUN, the distributor.

It is recommended to replace your helmet every 5 years from the date of manufacture or immediately after any impact, even if no visible damage is present.

