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ScorpionEXO AT960

ScorpionEXO AT960 Modular Motorcycle Helmet with EXO-COM Communication System User Manual

Model: AT960 | Brand: ScorpionEXO

1. INTRODUCTION

This manual provides comprehensive instructions for the proper use, maintenance, and care of your ScorpionEXO AT960 Modular Motorcycle Helmet with the integrated EXO-COM Bluetooth Communication System. Please read this manual thoroughly before using your helmet to ensure optimal performance and safety.



Figure 1.1: The ScorpionEXO AT960 Modular Helmet in its standard configuration, featuring a clear visor and integrated peak visor.

2. SAFETY INFORMATION

WARNING: Always wear a properly fitted helmet. An improperly fitted helmet can reduce its protective capability. Never modify your helmet in any way, as this can compromise its structural integrity and safety features.

2.1 Certifications

The ScorpionEXO AT960 helmet is certified to meet the following safety standards:

- **U.S. DOT FMVSS No. 218 Certification:** Complies with United States Federal Motor Vehicle Safety Standard 218.
- **ECE 22.06 Safety Standard:** Complies with European Economic Commission regulation 22.06.

2.2 Important Safety Guidelines

- Always secure the chin strap properly using the D-ring retention system.
- Ensure the visor is clean and free from obstructions for clear vision.
- Do not use abrasive cleaners or solvents on the helmet or visor.
- Replace the helmet after any impact, even if visible damage is not apparent.
- Be aware of your surroundings when using the EXO-COM system; maintain situational awareness.

3. COMPONENTS OVERVIEW

Familiarize yourself with the key components of your AT960 helmet:

- **Advanced Polycarbonate Shell:** Lightweight and impact-resistant outer shell.
- **Modular Chin Bar:** Flip-up mechanism for convenience.
- **EverClear Shield:** Fog-free, anti-scratch, UV-protective main visor.
- **Speedview Sun-Visor:** Retractable internal sun-visor.
- **Peak Visor:** External visor for adventure riding, removable for touring.
- **Aero-tuned Ventilation System:** Intake and exhaust vents for airflow.
- **KwikWick C Liner System:** Moisture-wicking, removable, and washable interior.
- **KwikFit 3D Sculpted Cheek Pads:** Designed to accommodate eyeglasses.
- **EXO-COM Bluetooth Communication System:** Integrated communication unit.



Figure 3.1: Front view of the AT960 helmet, showing the main clear shield and peak visor.



Figure 3.2: The AT960 helmet with its modular chin bar in the raised position, providing an open-face configuration.

4. SETUP

4.1 Helmet Fitment

A properly fitting helmet is crucial for safety. The helmet should fit snugly around your head without causing pressure points. To check for proper fit:

1. Place the helmet on your head, ensuring it sits level.
2. Fasten the chin strap securely.
3. Attempt to move the helmet from side to side and up and down. Your skin should move with the helmet, indicating a snug fit.
4. Ensure there are no excessive gaps between the helmet's interior and your head.

Refer to the size guide for head circumference measurements if unsure about your size.

4.2 Visor and Peak Visor Configuration

The AT960 allows for multiple configurations:

- **Standard Adventure:** Clear shield and peak visor installed (default).
- **Touring:** Peak visor removed for reduced wind resistance.
- **Off-Road:** Clear shield removed, allowing for goggle use.

To remove the peak visor, locate the attachment screws on each side of the helmet and carefully unscrew them. Reinstall by aligning and tightening the screws.



Figure 4.1: The AT960 helmet configured for touring, with the external peak visor removed for improved aerodynamics.

4.3 EXO-COM Bluetooth Communication System Installation & Pairing

The EXO-COM system speakers are pre-installed. The control unit and wiring may require final installation. Refer to the separate EXO-COM quick start guide for detailed installation and pairing instructions. Key steps include:

1. **Control Unit Attachment:** Secure the EXO-COM control unit to the designated area on the helmet's left side.
2. **Wiring Connection:** Connect the speaker and microphone wires to the control unit. Ensure wires are tucked neatly

under the liner.

3. **Charging:** Fully charge the EXO-COM unit before first use using the provided USB cable.
4. **Power On:** Press and hold the power button on the EXO-COM unit until the indicator light illuminates.
5. **Pairing with Mobile Device:**
 - Activate Bluetooth on your smartphone.
 - Enter pairing mode on the EXO-COM (refer to EXO-COM manual for specific button presses).
 - Select "ScorpionEXO EXO-COM" from your phone's Bluetooth device list.
6. **DynaMESH Intercom Pairing:** Follow instructions in the EXO-COM manual to pair with other DynaMESH compatible riders.



Figure 4.2: The EXO-COM Bluetooth Communication Kit, including the control unit, speakers, microphone, and charging cables.

5. OPERATING INSTRUCTIONS

5.1 Modular Chin Bar Operation

To raise the modular chin bar, locate the single lever release mechanism, typically found under the chin bar. Press the lever and lift the chin bar upwards until it locks into the open position. To close, press the lever again and firmly push the chin bar down until it latches securely.

5.2 Speedview Sun-Visor Operation

The internal Speedview sun-visor is operated by a slider mechanism on the side of the helmet. Slide it down to deploy the sun-visor and up to retract it. This allows for quick adaptation to changing light conditions.

5.3 Ventilation System Usage

The AT960 features an aero-tuned ventilation system:

- **Top Vent:** Open or close the top intake vent to control airflow over the scalp.
- **Mouth Vent:** The dual-position mouth vent can be set to position 1 for defogging the shield, or position 2 for defogging and additional ventilation.
- **Exhaust Vents:** Located at the rear, these vents continuously draw hot air out of the helmet.

5.4 EXO-COM Communication System Usage

Once paired, the EXO-COM system provides various communication functions:

- **Intercom:** Connect with other riders using the DynaMESH network. The system automatically re-organizes connections as riders move.
- **Phone Calls:** Answer, make, and end calls using the control unit buttons. Integrated dual microphones and adjustable ABF noise cancellation ensure clear audio.
- **Music Playback:** Stream music from your paired mobile device. Use the control unit for play/pause, skip track, and volume adjustments.
- **GPS Navigation:** Receive audio directions from your GPS unit.
- **EXO-COM Mobile App:** Download the app for advanced user preference customization and access to the full PDF manual.

6. MAINTENANCE

6.1 Helmet Exterior Cleaning

Clean the helmet shell with a soft cloth and mild soap and water. Avoid harsh chemicals, solvents, or abrasive cleaners, as these can damage the shell finish and protective coatings.

6.2 Visor and Sun-Visor Cleaning

The EverClear shield and Speedview sun-visor should be cleaned with a soft, damp cloth and mild soap or a specialized helmet visor cleaner. Do not use paper towels or abrasive materials, which can scratch the surfaces. Allow to air dry.

6.3 Interior Liner Care

The KwikWick C liner system is removable and washable. Carefully detach the cheek pads and headliner from the helmet. Hand wash with mild soap and cool water, or machine wash on a gentle cycle in a laundry bag. Air dry completely before reinstalling. Ensure all components are correctly re-aligned when re-inserting.

6.4 EXO-COM Battery Charging

Charge the EXO-COM unit using the provided USB cable. Connect it to a compatible USB power source. A full charge

typically takes 2.5 - 3.5 hours. The battery life is up to 15 hours under average conditions.

7. TROUBLESHOOTING

- **Helmet feels too tight/loose:** Re-verify your head circumference against the size guide. Ensure cheek pads are correctly seated.
- **Wind noise is excessive:** Ensure all vents are closed if not needed. Check that the chin bar is fully latched and the visor is completely closed. The included aero skirt (chin curtain) can help reduce wind noise.
- **Visor fogging:** Ensure the EverClear shield is clean. Utilize the first position of the mouth vent for defogging.
- **EXO-COM not pairing:** Ensure the unit is charged and in pairing mode. Restart both the EXO-COM and your mobile device. Clear previous Bluetooth pairings if necessary.
- **EXO-COM audio quality is poor:** Check speaker placement to ensure they are aligned with your ears. Adjust the graphic equalizer settings via the EXO-COM Mobile App. Ensure the microphone is positioned correctly.
- **Liner detaches when removing helmet:** Ensure all liner snaps and tabs are securely fastened during reinstallation.
- **Peak visor screws loosen:** Periodically check and tighten the peak visor attachment screws. Do not overtighten.

8. SPECIFICATIONS

Feature	Detail
Model Name	EXO AT960 Modular Adventure Helmet with EXO-COM
Shell Material	Advanced Polycarbonate
Certifications	DOT FMVSS No. 218, ECE 22.06
Visor Type	EverClear (Fog-free, Anti-scratch, 95% UV-A & UV-B protection)
Sun-Visor	Retractable Speedview
Liner System	KwikWick C (Moisture-wicking, removable, washable)
Communication System	Integrated EXO-COM Bluetooth (DynaMESH Intercom)
EXO-COM Battery Life	Up to 15 hours (average conditions)
EXO-COM Charging Time	2.5 - 3.5 hours
EXO-COM Intercom Range	Up to 0.8 KM (0.5 mile) per person
UPC	845468087008
Part Number	96EC-0105

9. WARRANTY AND SUPPORT

For specific warranty information regarding your ScorpionEXO AT960 helmet and EXO-COM system, please refer to the warranty card included with your product or visit the official ScorpionEXO website. Keep your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or to purchase replacement parts, please contact ScorpionEXO customer service or visit their official support channels. The EXO-COM Mobile App also provides access to a complete PDF manual and user preferences.

Online Resources:

- [ScorpionEXO Official Store](#)
- EXO-COM Mobile App (available on app stores)

