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> ScorpionEXO R1 Air Full Face Motorcycle Helmet User Manual

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Model: R1 Air Full Face Helmet

INTRODUCTION

The ScorpionEXO R1 Air Full Face Motorcycle Helmet is engineered for high performance and rider safety, meeting the demands of professional racing while providing features beneficial for everyday use. It combines advanced materials and aerodynamic design to offer superior protection, comfort, and ventilation. This manual provides essential information for the proper use, maintenance, and care of your R1 Air helmet.

SAFETY INFORMATION

Your safety is paramount. Always read and understand all warnings and instructions before using your helmet. Failure to follow these instructions may result in serious injury or death.

- **Proper Fit:** Ensure the helmet fits snugly and securely. An improperly fitted helmet may not provide adequate protection in an impact. Refer to the "Setup" section for fit adjustment.
- **Impact Protection:** This helmet is designed to absorb impact energy by partial destruction of the shell and liner. Even if there is no visible damage, a helmet that has sustained an impact should be replaced immediately.
- **Chemicals:** Do not apply paint, stickers, cleaning agents, or other solvents to the helmet. These substances can degrade the helmet's materials and compromise its protective capabilities.
- **Visibility:** Always ensure your shield is clean and free from obstructions. Use the clear shield for night riding and low-light conditions.
- **Certification:** This helmet is DOT FMVSS No. 218 Certified and ECE Approved, meeting stringent safety standards.
- **Emergency Release:** The helmet is equipped with EMT-friendly, emergency-release cheek pads for quick removal in an emergency.

COMPONENTS OVERVIEW

Familiarize yourself with the key components of your ScorpionEXO R1 Air helmet:

- **Ultra-TCT Composite Shell:** Multi-layered shell combining fiberglass, aramid, and poly-resin fibers for strength and impact dispersal.
- **EPS Liner:** Advanced multi-layer, multi-density Expanded Polystyrene liner for superior energy absorption.
- **MaxVision Pinlock-Ready Shield:** Optically superior clear shield, anti-scratch coated, offering 95% UV-A & UV-B protection. Includes a Dark Smoke MaxVision Pinlock shield and Pinlock anti-fog insert.
- **EllipTec II Quick-Release Shield Mechanism:** Provides easy shield changes and a secure seal.
- **AirFit Inflation Adjustment System:** Allows for user-defined fit customization by inflating cheek pads.
- **KwikWick III Interior:** Removable and washable interior lining designed to keep you cool, dry, and comfortable.
- **KwikFit Cheek Pads:** 3D contoured cheek pads that accommodate eyeglasses.
- **Ventilation System:** Aero-tuned system with Ram-Air intake, dual position mouth vent, and 4-port exhaust spoiler.
- **Bluetooth Ready Speaker Pockets:** Integrated pockets for easy installation of communication system speakers.
- **Breath Deflector & Aero Skirt:** Included accessories for enhanced comfort and performance.



Figure 1: Front-side view of the ScorpionEXO R1 Air helmet, highlighting the clear shield and ventilation ports.



Figure 2: Rear-side view of the ScorpionEXO R1 Air helmet, showing the aerodynamic spoiler and exhaust vents.

SETUP

1. Initial Fitment

Before riding, ensure your helmet fits correctly. A proper fit is crucial for safety and comfort.

1. **Head Measurement:** Measure your head circumference at the widest point, just above your eyebrows. Refer to the size chart for guidance.
2. **Putting on the Helmet:** Hold the chin straps apart and pull the helmet over your head. It should feel snug around your cheeks and the top of your head without causing pressure points.
3. **Check for Movement:** With the chin strap fastened, try to move the helmet from side to side and up and down. Your skin should move with the helmet, indicating a secure fit.

2. AirFit Inflation Adjustment System

The AirFit system allows you to customize the fit of the cheek pads for optimal comfort and stability.

- **Inflate:** Locate the pump button near the chin bar. Press repeatedly to inflate the cheek pads until a snug, comfortable fit is achieved. Do not over-inflate.
- **Deflate:** To release air, press the small release valve button, usually located next to the pump button.

3. Shield Installation/Removal

The EllipTec II quick-release system makes changing shields simple.

1. **Removal:** Open the shield fully. Locate the release levers on both sides of the shield mechanism. Pull the levers down/forward (refer to specific helmet markings) and gently pull the shield away from the helmet.
2. **Installation:** Align the shield's pivot points with the helmet's mechanism. Push firmly until you hear a click on both sides, indicating it is securely locked in place. Test the shield's movement before riding.

Your helmet includes a clear MaxVision Pinlock-Ready shield and a Dark Smoke MaxVision Pinlock shield. The Pinlock anti-fog insert should be installed on the Pinlock-ready shield for anti-fog performance.

OPERATING

1. Ventilation System

The R1 Air features an aero-tuned ventilation system for optimal airflow.

- **Ram-Air Intake (Top Vent):** Slide the lever on the top of the helmet forward to open the intake and allow air to flow over the head. Slide backward to close.
- **Mouth Vent:** The dual-position mouth vent can be adjusted to direct airflow to the shield for defogging or directly to the rider's face. Adjust the slider to your preferred position.
- **Exhaust Vents:** The 4-port exhaust spoiler system works in conjunction with the intake vents to pull heat and humidity out of the helmet. These are passive and do not require adjustment.

2. Chin Strap Fastening

Always secure the chin strap properly before riding.

1. Insert the end of the strap through the D-rings.
2. Pull it back through the first D-ring and then over the second D-ring.
3. Pull the strap tight against your throat. There should be no slack, and the helmet should not be able to roll off your head.
4. Secure the loose end of the strap with the snap fastener.

MAINTENANCE

1. Cleaning the Exterior

Use a soft cloth and mild soap with lukewarm water. Avoid abrasive cleaners or solvents. Gently wipe the shell clean. For stubborn dirt, dampen the cloth and let it sit on the area for a few minutes before wiping.

2. Cleaning the Interior (KwikWick III Liner)

The KwikWick III interior liner is removable and washable.

1. Carefully detach the cheek pads and headliner from the helmet.
2. Hand wash with mild soap and cold water, or machine wash on a gentle cycle in a laundry bag.

3. Air dry completely before re-installing. Do not tumble dry or use heat.

3. Shield Care

Clean the shield with a soft, lint-free cloth and lukewarm water. For best results, use a dedicated helmet shield cleaner. Do not use harsh chemicals or paper towels, which can scratch the shield. For the Pinlock insert, clean only with water and a soft cloth; avoid rubbing the anti-fog surface vigorously.

4. Storage

Store your helmet in a cool, dry place away from direct sunlight and extreme temperatures. Use a helmet bag to protect it from dust and scratches. Do not store the helmet near chemicals or fuels.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Helmet feels too loose after some use.	Liner compression, AirFit system deflated.	Use the AirFit pump to re-inflate cheek pads. If still loose, consider optional custom fit cheek pads.
Shield fogs up easily.	High humidity, lack of airflow, Pinlock not installed or dirty.	Ensure Pinlock insert is correctly installed and clean. Open mouth vent for direct airflow to shield. Increase top ventilation.
Excessive wind noise.	Improper fit, open vents, shield not fully sealed.	Ensure helmet fits snugly (use AirFit). Close vents if not needed. Check that the shield is fully closed and sealed by the EllipTec II mechanism. Ensure aero skirt is installed.
Difficulty installing/removing shield.	Incorrect angle or force.	Ensure shield is fully open before attempting removal. Apply even pressure when installing until a click is heard on both sides. Do not force.

SPECIFICATIONS

Feature	Detail
Model Name	R1 Air Full Face Helmet
Shell Material	Multi-layered Ultra-TCT composite (Fiberglass, Aramid, Poly-resin fibers)
Liner Material	Multi-layer, multi-density EPS
Interior Fabric	KwikWick III (removable and washable)
Shield Type	MaxVision Pinlock-Ready (Clear and Dark Smoke included)
Shield Mechanism	EllipTec II Quick-Release
Ventilation	Ram-Air intake, Dual position mouth vent, 4-port exhaust spoiler
Fit Adjustment	AirFit inflation system
Safety Certifications	DOT FMVSS No. 218 Certified, ECE Approved

Feature	Detail
Weight (Medium)	~1,383 grams / 3.05 lbs
Speaker Pockets	Bluetooth Ready
Included Accessories	Breath Deflector, Aero Skirt, Dark Smoke Shield, Pinlock Insert

WARRANTY AND SUPPORT

The ScorpionEXO R1 Air Full Face Motorcycle Helmet comes with a **5-Year warranty** from the date of purchase, covering defects in materials and workmanship. This warranty does not cover damage due to misuse, neglect, accidents, or unauthorized modifications.

For warranty claims, technical support, or replacement parts, please contact ScorpionEXO customer service through their official website or authorized dealers. Keep your proof of purchase for warranty validation.

For more information, visit the official [ScorpionEXO Store on Amazon](#).