

**Scorpion T12-4622**

# ScorpionExo EXO-T1200 Mainstay Full Face Helmet User Manual

MODEL: T12-4622

## 1. Overview and Product Features

The ScorpionExo EXO-T1200 Mainstay Full Face Helmet is engineered for touring riders, combining advanced technology with comfort and safety. It features an aerodynamic profile for stability and a highly efficient VSV ventilation system for maximum airflow, making it one of the best-ventilated helmets available.

The helmet's external shell is constructed from Scorpion's proprietary TCT composite fiber, ensuring robust strength. The interior is equipped with the AirFit cheek pad inflation system, allowing for a personalized and secure fit. For varying light conditions, an internal Everclear SpeedView drop-down sunvisor provides convenient eye protection. This helmet is an excellent choice for long-distance riding, offering premium features in a full-coverage design.



Image 1.1: Front view of the ScorpionExo EXO-T1200 Mainstay Full Face Helmet in Black/Neon.

### Key Features:

- **TCT Composite Shell:** Developed exclusively by Scorpion, this revolutionary TCT (Thermodynamic Composite Technology) process utilizes a proprietary 5-layer blend of interlaced fiberglass, Aramid, and organic poly-resin fibers for superior strength.
- **AirFit Liner Inflation System:** An inflatable cheek pad system designed to provide a superior, personalized fit for enhanced comfort and stability.
- **Everclear No Fog Face Shield:** An optically-clear shield featuring state-of-the-art fog-free technology, an anti-scratch hardened coating, and 100% UV protection.
- **Ellip-Tec Base Plate:** Scorpion's ratchet system employs an elliptical motion, ensuring a proper seal between the shield and the helmet. This system allows for 100% tool-less shield changing in seconds.
- **3-Step SpeedView Retractable Sun Visor:** An adjustable internal sun-visor that can be set to 3 positions, incorporating Everclear anti-fog technology on both sides for clear vision in bright sunlight.

## 2. Safety Information

The ScorpionExo EXO-T1200 Mainstay Full Face Helmet is **DOT Certified**, meeting or exceeding the safety standards set by the Department of Transportation. Always ensure the helmet is properly fastened and fitted before riding.

- Always secure the chin strap firmly.
- Never ride with an unfastened helmet.
- Inspect your helmet regularly for any signs of damage.
- Do not modify the helmet in any way, as this may compromise its protective capabilities.

## 3. Setup and Initial Adjustment

### 3.1. Sizing and Fit

A proper fit is crucial for helmet safety and comfort. Refer to the sizing chart below to determine your correct helmet size. The helmet should fit snugly around your head without causing pressure points, and your cheeks should feel firm pressure from the cheek pads.

Adult Helmet Sizing Chart:			
SIZE	Circumference Inches	Circumference CM	Hat size
XS	20 7/8 - 21 1/4	53-54cm	6 5/8 - 6 3/4
SM	21 5/8 - 22	55-56cm	6 7/8 - 7
MD	22 1/8 - 22 3/4	57-58cm	7 1/8 - 7 1/4
LG	23 1/8 - 23 5/8	59-60cm	7 3/8 - 7 1/2
XL	24 - 24 3/8	61-62cm	7 5/8 - 7 3/4
2XL	24 3/4 - 25 3/16	63-64cm	7 7/8 - 8
3XL	25 9/16 - 26	65-66cm	8 1/8 - 8 1/4
Youth Helmet Sizing Chart:			
SIZE	Circumference Inches	Circumference CM	Hat size
Y-SM	18 7/8 - 19 1/4	48-49cm	Y-SM
Y-MD	19 3/4 - 20 1/8	50-51cm	Y-MD
Y-LG	20 1/2 - 20 7/8	52-53cm	Y-LG

Image 3.1: Adult and Youth Helmet Sizing Chart for circumference and hat size.

### 3.2. AirFit Liner Inflation System

The AirFit system allows for a custom, personalized fit by inflating the cheek pads. Locate the small pump button near the chin bar. Press the button repeatedly to inflate the cheek pads until a snug, comfortable fit is achieved. To deflate, press the small release valve located next to the pump button.

### 3.3. Visor Installation and Removal (Ellip-Tec Base Plate)

The Ellip-Tec base plate system allows for quick, tool-less visor changes. To remove the visor, open it fully. Locate the release levers on both sides of the helmet near the visor pivot points. Pull the levers down or back (depending on the specific mechanism) and gently pull the visor away from the helmet. To install, align the visor's pivot points with the helmet's base plate mechanisms and push firmly until you hear a click, ensuring both sides are securely engaged.

## 4. Operating Your Helmet

### 4.1. VSV Ventilation System

The VSV (Venturi Super Vent) ventilation system is designed for maximum airflow. The helmet features

multiple intake and exhaust vents. Locate the adjustable sliders on the top and front of the helmet. Slide them open to allow air to flow through the helmet, and close them to reduce airflow, depending on weather conditions and personal preference.



Image 4.1: Front view highlighting the main visor and chin vents.

#### 4.2. SpeedView Retractable Sun Visor

The internal SpeedView sun visor can be deployed or retracted using the slider mechanism located on the left side of the helmet. Slide it down to engage the sun visor for protection against bright sunlight. The visor has three adjustable positions to suit your preference. Slide it up to retract the sun visor when not needed.





Image 4.2: Side view showing the sun visor mechanism.



Image 4.3: Rear view of the helmet, showing exhaust vents.



Image 4.4: Top view, illustrating the top ventilation system.





Image 4.5: Angled view, showcasing the overall design and features.

## 5. Maintenance and Care

### 5.1. Cleaning the Shell

Clean the helmet's outer shell with a soft, damp cloth and mild soap. Avoid using harsh chemicals, abrasive cleaners, or solvents, as these can damage the finish and shell material. Rinse thoroughly and dry with a soft, clean cloth.

### 5.2. Cleaning the Visor (Everclear No Fog Face Shield)

The Everclear face shield should be cleaned with a soft cloth and lukewarm water. For stubborn dirt, use a mild soap solution. Do not use abrasive materials or chemical cleaners, as they can damage the anti-fog and anti-scratch coatings. Allow the visor to air dry or gently blot with a microfiber cloth.



### 5.3. Liner Care

The helmet's interior liner is removable for cleaning. Gently detach the liner components. Hand wash them in cold water with a mild detergent. Do not machine wash or tumble dry. Allow the liner to air dry completely before reinserting it into the helmet.

### 5.4. 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. Avoid placing heavy objects on top of the helmet, as this can deform the shell or liner.

## 6. Troubleshooting

This section addresses common issues you might encounter with your helmet.

Problem	Possible Cause	Solution
Visor fogs up easily	High humidity, temperature difference, dirty visor.	Ensure Everclear coating is clean. Open vents for better airflow. Consider using a Pinlock insert if available for your model.
Helmet feels too loose/tight	Incorrect size, AirFit system not adjusted.	Adjust AirFit system. If still loose/tight, verify correct helmet size using the sizing chart. Different cheek pads may be available.
Excessive wind noise	Visor not fully sealed, vents open, improper fit.	Ensure visor is fully closed and sealed. Close vents if not needed. Check helmet fit, especially around the neck roll.
Sun visor not retracting/deploying smoothly	Dirt or debris in mechanism, mechanism worn.	Clean the area around the sun visor mechanism. If issue persists, contact customer support.

## 7. Product Specifications

Attribute	Detail
Manufacturer	ScorpionExo
Item Model Number	T12-4622
Product Dimensions	1 x 1 x 1 inches
Item Weight	2 Pounds

Attribute	Detail
Department	unisex-adult
Date First Available	January 13, 2016
Safety Certification	DOT Certified

### 8. Warranty and Support

For specific warranty information regarding your ScorpionExo EXO-T1200 helmet, please refer to the warranty card included with your purchase or visit the official ScorpionExo website. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

For technical support, replacement parts, or further assistance, please contact ScorpionExo customer service through their official website or authorized dealers. Ensure you have your helmet's model number (T12-4622) and purchase details ready when contacting support.