

ATKGEAR F1

ATKGEAR ATK F1 Extreme Wireless Gaming Mouse Instruction Manual

Model: F1 Extreme

1. INTRODUCTION

The ATKGEAR ATK F1 Extreme is a high-performance wireless gaming mouse designed for esports athletes and FPS enthusiasts. It combines an ultralight design with advanced sensor technology and responsive optical switches to deliver precision and speed. This manual provides essential information for setting up, operating, and maintaining your ATK F1 Extreme mouse.

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Video 1: ATK Blazing Sky F1 Official Product Trailer - This video provides a general overview and highlights of the ATK F1 Extreme Wireless Gaming Mouse.

2. KEY FEATURES

- **Featherlight 35g Design:** Engineered for agility with a true 35g \pm 2g body, optimized for claw and fingertip grip, enabling faster flicks and reduced wrist strain.
- **True 8000Hz Polling:** Supports full 8K polling in both wired and wireless modes, ensuring ultra-low input latency and real-time responsiveness in competitive scenarios.
- **PAW3950 Flagship Sensor:** Equipped with PixArt's advanced PAW3950 for pixel-perfect tracking, low lift-off distance, and no acceleration or smoothing.
- **Optical Micro Switches:** Enjoy tactile, debounce-free clicks with optical switches rated for extreme longevity and consistent performance.
- **Dual Mode + USB-C Port:** Easily toggle between 2.4GHz wireless and USB-C wired mode; includes flexible paracord cable and 8K receiver for competitive versatility.



Image 1: PAW3950 Ultra Flagship Sensor Details - This image displays a table comparing the specifications of the PAW3950 and PAW3950Ultra sensors, including DPI, tracking speed, acceleration, and LOD adjustment.



Image 2: Dual 8000Hz Rapid Response & Ultralight Design - This image highlights the mouse's 8000Hz polling rate, 35g ultralight design, and custom-tuned optical switches, along with minimum system requirements for optimal performance.

3. PACKAGE CONTENTS

Upon unboxing your ATK F1 Extreme Wireless Gaming Mouse, please ensure all the following items are present:

- ATK F1 Extreme Wireless Gaming Mouse
- USB-C Paracord Cable
- 8K Wireless Receiver (Dongle)
- Product Warranty Certificate
- Additional PTFE Dot Skates

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Video 2: ATK R1 Gaming Mouse Unboxing Video - This video demonstrates the unboxing experience and shows the included accessories for an ATK gaming mouse, which are similar to the F1 Extreme.

4. SETUP

4.1. Wireless Connectivity (2.4 GHz)

1. Insert the 8K wireless receiver (dongle) into an available USB-A port on your computer.
2. Turn on the mouse using the ON/OFF switch located on the underside of the mouse.
3. The mouse should automatically connect to the receiver. If not, press the pairing button on the underside of the mouse and the receiver simultaneously until a stable connection is established.

4.2. Wired Connectivity (USB-C)

To use the mouse in wired mode or to charge it:

1. Connect the USB-C end of the provided paracord cable to the mouse.
2. Connect the USB-A end of the cable to an available USB-A port on your computer.
3. The mouse will automatically switch to wired mode and begin charging.

4.3. Charging the Mouse

Connect the mouse to your computer using the USB-C cable. The mouse's indicator light will show charging status. A red glow from underneath the mouse indicates a low battery, while a solid light indicates charging or full charge depending on the model's specific LED behavior.

Product Name	ATK Blazing Sky F1 Hole-Less Ultra-Lightweight Wireless Mouse		
Specs	F1 PRO	F1 PRO MAX	F1 EXTREME EDITION
Color	Black / White		
Size	118.2mm x 62.4mm x 38.8mm (Medium/Small Hands)		
Coating	Ice-Feel Coating		
Sensor	PAW3950		PAW3950 Ultra
Controller	Nordic 52840		
Transmission Technology	Smartspeed Wireless Gen-2 Transmission Technology ATK ApexShark Professional Esports Firmware		
Polling Rate	Wired 8K Hz / Wireless 8K Hz		
Battery	250mAh	500mAh	200mAh
Battery Life	75 H (1000Hz)	150 H (1000Hz)	60 H (1000Hz)
Weight	45g±2g	50g±2g	35g±2g
Primary Switch	Omron Optical / ATK Custom Tuned Optical		
Side Switch	Huanuo		TTC
Scroll Wheel	F-Switch E10 Flagship		
Mouse Feet	100% Teflon Feet		
Connectivity	Wired / Wireless		
Dongle	Come with 1K dongle		Come with 8K Dongle

Image 3: Connectivity Components - This image shows the ATK F1 Extreme mouse alongside its USB-C cable and 8K wireless receiver, illustrating the dual-mode connectivity options.

5. OPERATING THE MOUSE

5.1. DPI Adjustment

The mouse features a dedicated DPI switch on its underside, allowing you to cycle through preset DPI stages. You can customize these stages using the ATK HUB/Web Driver software.

5.2. Polling Rate

The ATK F1 Extreme supports up to 8000Hz polling rate in both wired and wireless modes. This can be adjusted via the ATK HUB/Web Driver software to match your preferences and system capabilities.

5.3. Optical Switches

The mouse is equipped with durable optical micro switches for crisp and fast clicks. If you experience accidental double-clicks (slam clicks) due to aggressive gameplay, you can adjust the debounce time in the software to 3 milliseconds for a smoother experience.

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Video 3: ATK F1 Extreme Product Details - This video provides a closer look at the features and design of the ATK F1 Extreme mouse, including its lightweight build and responsive clicks.

6. SOFTWARE CONFIGURATION

The ATK F1 Extreme mouse is compatible with the ATK HUB/Web Driver software. This software allows you to:

- Customize DPI stages and sensitivity.
- Adjust polling rate (125Hz to 8000Hz).
- Remap buttons and create macros.
- Configure Lift-Off Distance (LOD).
- Manage power-saving settings and battery indicators.

For product driver downloads and other services, please visit: <https://atk.pro>



Image 4: Software Interface Overview - This image shows the ATK HUB/Web Driver interface, detailing button assignment options and click latency measurements for optimal performance tuning.

7. MAINTENANCE

7.1. Cleaning

To maintain optimal performance and hygiene, regularly clean your mouse:

- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the surface of the mouse.
- Avoid using harsh chemicals, abrasive cleaners, or solvents.
- Use compressed air to clear dust and debris from crevices and around the scroll wheel.
- Ensure the optical sensor on the underside is clean and free from obstructions.

7.2. Storage

Store the mouse in a dry, cool environment away from direct sunlight and extreme temperatures when not in use for extended periods.

8. TROUBLESHOOTING

8.1. Connectivity Issues

- **Mouse not connecting wirelessly:** Ensure the mouse is turned on and the 8K receiver is securely plugged into a USB-A port. Try re-pairing the mouse by pressing the pairing button on both the mouse and receiver.
- **Intermittent connection:** Move the receiver closer to the mouse or try a different USB port. Ensure there are no strong wireless interference sources nearby.

8.2. Tracking Issues

- **Inaccurate tracking:** Clean the optical sensor on the underside of the mouse. Ensure you are using a clean, suitable mouse pad.
- **Cursor erratic behavior:** Check for any debris on the sensor or mouse pad. Update mouse drivers via the ATK HUB/Web Driver software.

8.3. Battery Issues

- **Mouse not charging:** Ensure the USB-C cable is properly connected to both the mouse and the computer. Try a different USB port or cable.
- **Short battery life:** Adjust power-saving settings in the ATK HUB/Web Driver software. Ensure the mouse is fully charged before use.

9. SPECIFICATIONS

Feature	Detail
Model Number	F1
Brand	ATKGEAR
Item Weight	1.15 pounds (approx. 521g)
Package Dimensions	8.27 x 7.83 x 3.31 inches
Connectivity Technology	Bluetooth, USB, Wi-Fi (2.4GHz Wireless, USB-C Wired)
Movement Detection Technology	Optical (PAW3950 Sensor)
Special Features	Ergonomic Design, Ultralight (35g), Wireless, Optical Switches, 8000Hz Polling
Batteries	1 Nonstandard Battery (included)



Image 5: Detailed Product Specifications - This table provides comprehensive specifications for the ATK Blazing Sky F1 mouse series, including model variations, dimensions, sensor, polling rate, battery life, and switch types.

10. WARRANTY AND SUPPORT

10.1. Warranty Information

Your ATK F1 Extreme Wireless Gaming Mouse comes with a product warranty. Please refer to the included Product Warranty Certificate in your package for detailed terms and conditions, including warranty period and coverage.

10.2. Customer Support

For technical support, driver downloads, and other services related to your ATKGEAR product, please visit the official ATK website: <https://atk.pro>