

## ATK F1 V2

# ATK Blazing Sky F1 V2 Wireless Gaming Mouse

## User Manual

### 1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your ATK Blazing Sky F1 V2 Wireless Gaming Mouse. Please read these instructions carefully to ensure optimal performance and longevity of your device.



Image 1.1: The ATK Blazing Sky F1 V2 Wireless Gaming Mouse.

### 2. PRODUCT OVERVIEW

The ATK Blazing Sky F1 V2 is a high-performance wireless gaming mouse designed for competitive play. It features an ultra-lightweight design, advanced sensor technology, and multiple connectivity options.

#### 2.1 Key Features

- **Lightweight Design:** Weighs approximately 39g (Ultimate model), optimized for fast movements and precision control.

- **Advanced Sensor:** Equipped with the PAW3950 Ultra sensor for superior tracking accuracy.
- **High-Speed MCU:** Features a Nordic 54L15 MCU for rapid response times and stable signal processing.
- **Optical Switches:** Utilizes durable and responsive optical switches for consistent click performance.
- **Dual 8K Polling Rate:** Supports up to 8000 Hz polling in both wired and 2.4G wireless modes for minimal latency.
- **Dual-Mode Connectivity:** Offers 2.4G wireless and wired connection options.
- **Long Battery Life:** Provides up to 250+ hours of usage on a single charge (Ultimate model).



Image 2.1: Ergonomic design for small to medium hands.

# ATK Self-Developed 54 Series ApexShark MAX Mouse Solution

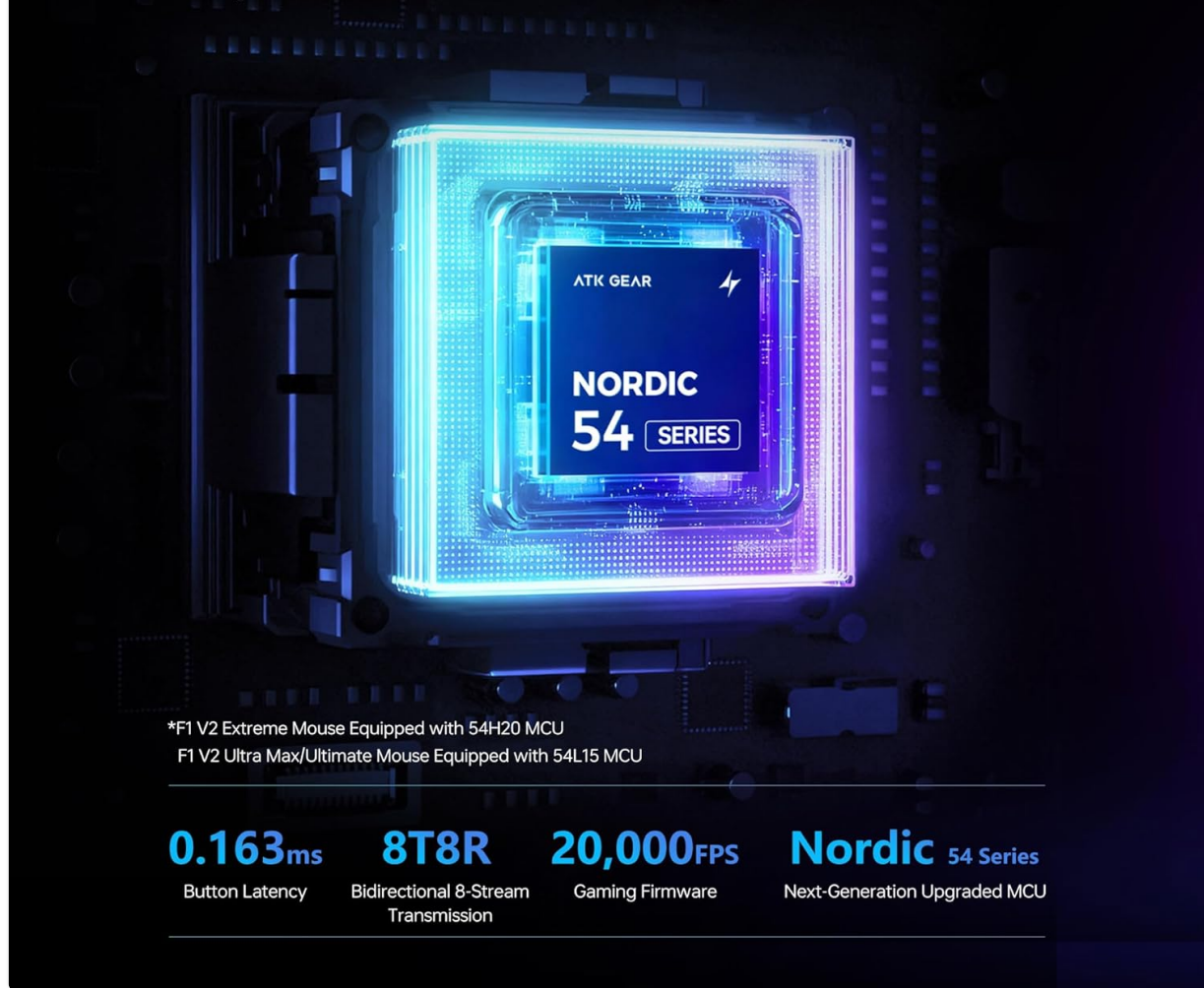


Image 2.2: The ultra-lightweight construction of the F1 V2 mouse.

## 3. SETUP

### 3.1 Package Contents

Verify that your package contains the following items:

- ATK Blazing Sky F1 V2 Wireless Gaming Mouse
- 2.4G Wireless Dongle (GEM 8K Dongle)
- USB-C to USB-A Charging/Data Cable
- User Manual (this document)

### 3.2 Connecting the Mouse

#### 3.2.1 2.4G Wireless Mode

1. Insert the 2.4G wireless dongle into an available USB port on your computer.
2. Turn on the mouse using the power switch located on the bottom of the mouse.
3. The mouse should automatically connect to the dongle. If not, press the pairing button (if available,

refer to the mouse's underside) or consult the ATK software for pairing instructions.

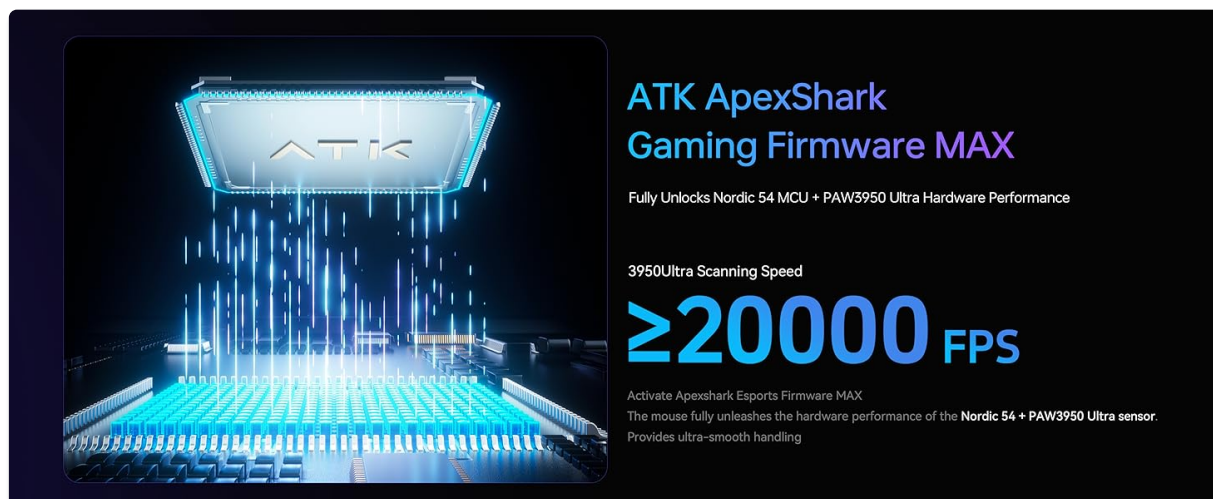


Image 3.1: The GEM 8K Dongle for wireless connectivity.

### 3.2.2 Wired Mode

Connect the USB-C end of the provided cable to the mouse and the USB-A end to your computer. The mouse will function in wired mode and charge simultaneously.

### 3.3 Charging the Mouse

To charge the mouse, connect it to your computer or a USB power adapter using the provided USB-C cable. The LED indicator on the mouse will show charging status. For optimal charging, use the original USB cable.



Image 3.2: High-density battery information.

### 3.4 Software Installation

For advanced customization, including DPI settings, button remapping, and polling rate adjustments, download the official ATK software from the ATK website. Follow the on-screen instructions for installation.

## 4. OPERATING INSTRUCTIONS

### 4.1 Basic Mouse Functions

The ATK F1 V2 mouse features standard left-click, right-click, and scroll wheel functions. Additional side buttons are programmable via the ATK software.



## 4.2 DPI Adjustment

The mouse's DPI (Dots Per Inch) can be adjusted to suit your preference. The PAW3950 Ultra sensor supports a DPI range from 100 to 30,000 DPI, with effective interpolation up to 42,000 DPI. Use the dedicated DPI button (if present) or the ATK software to cycle through preset DPI stages or set a custom value.



Image 4.1: PAW3950 Ultra Sensor capabilities.

## 4.3 Polling Rate Configuration

The ATK F1 V2 supports a polling rate of up to 8000 Hz, providing extremely low latency. This setting can be configured through the ATK software to match your system and gaming requirements.



Image 4.2: Nordic 54 Series MCU and ApexShark MAX solution details.

## 4.4 Customizing Buttons

Utilize the ATK software to remap buttons, assign macros, and configure other advanced settings to personalize your gaming experience.

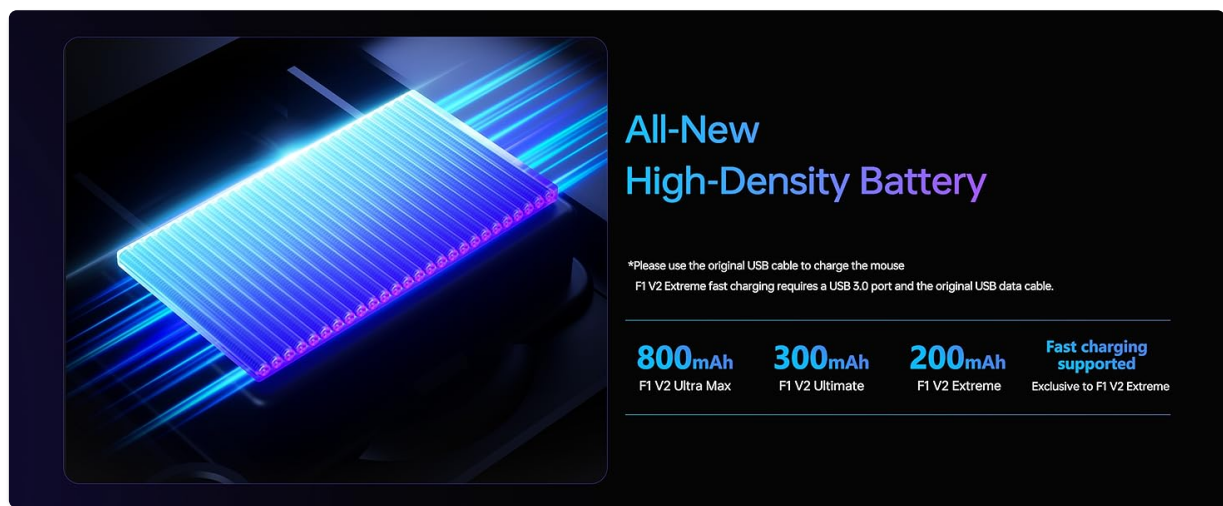


Image 4.3: Details on the custom-tuned switches.

## 5. MAINTENANCE

### 5.1 Cleaning

The ATK F1 V2 features an all-new nano coating that is sweat-resistant, stain-resistant, and easy to clean. To clean your mouse:

- Ensure the mouse is powered off and disconnected from any power source.
- Use a soft, lint-free cloth lightly dampened with water or a mild cleaning solution.
- Avoid using harsh chemicals, abrasive materials, or excessive moisture.
- Clean the sensor area gently with a cotton swab to remove dust or debris.

### 5.2 Battery Care

- Avoid fully discharging the battery frequently.
- Store the mouse in a cool, dry place when not in use for extended periods.
- Use only the provided charging cable or a certified equivalent.

## 6. TROUBLESHOOTING

### 6.1 Mouse Not Responding

- Check if the mouse is powered on.
- Ensure the 2.4G dongle is securely plugged into a USB port or the USB cable is properly connected.
- Verify the mouse battery has sufficient charge.
- Try connecting the mouse to a different USB port or computer to rule out port-specific issues.

### 6.2 Connectivity Issues (Wireless)

- Ensure the dongle is within close proximity to the mouse and not obstructed by metal objects.
- Avoid interference from other wireless devices (e.g., Wi-Fi routers, other wireless peripherals).
- Re-pair the mouse with the dongle using the ATK software or the pairing button on the mouse.

### 6.3 Charging Problems

- Confirm the charging cable is fully inserted into both the mouse and the power source.
- Try a different USB port or power adapter.
- Ensure the cable is not damaged.

6.4 Sensor Tracking Issues

- Clean the mouse sensor with a cotton swab.
- Ensure you are using the mouse on a clean, uniform surface or a high-quality mouse pad.
- Adjust LOD (Lift-Off Distance) settings in the ATK software if tracking is inconsistent when lifting the mouse.

7. SPECIFICATIONS

The following table outlines the technical specifications for the ATK Blazing Sky F1 V2 Wireless Gaming Mouse (Ultimate model):



Image 7.1: Product Specifications Table.

Feature	Specification (F1 V2 Ultimate)
Model	ATK F1 V2
Dimensions	118.2 × 62.4 × 38.8 mm
Weight	39 ± 2g
Sensor	PAW3950 Ultra
MCU	Nordic 54L15
Switches	ATK Custom Optical Switches
Polling Rate	Wired/Wireless Dual 8K
Button Latency	0.163ms
Battery	300mAh

Feature	Specification (F1 V2 Ultimate)
Battery Life	250+ hours
Connectivity	2.4G / Wired
Coating	All-New Nano Coating
Scroll Wheel	TTC Gold
Mouse Feet	Standard White Double-Layer Anti-Dent PTFE feet + Bonus Set
Dongle	All-New GEM 8K Dongle

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, and frequently asked questions, please visit the official ATK website or contact ATK customer service. Keep your proof of purchase for warranty claims.