ATK A9 Ultimate

ATK Dragonfly A9 Ultimate Wireless Gaming Mouse User Manual

Model: A9 Ultimate

1. INTRODUCTION

Thank you for choosing the ATK Dragonfly A9 Ultimate Wireless Gaming Mouse. This high-performance gaming mouse is engineered for speed, precision, and ergonomic control, featuring a lightweight design, a PAW3950 Ultra sensor, Nordic 54L15 MCU, and 8K polling rate support. This manual provides essential information to help you set up, operate, and maintain your device for optimal performance.

Image 1: ATK A9 Ultimate Wireless Gaming Mouse, showcasing its lightweight design and advanced features.

2. KEY FEATURES

- **Ultra-Lightweight Build:** Engineered with a 55g lightweight shell for enhanced agility and precision during competitive esports sessions.

- **High-Performance Optical Sensor:** Equipped with the PAW3950 Ultra sensor, supporting high-speed tracking and stable flick shots for consistent accuracy.

- **8000Hz Polling Support:** Delivers smoother cursor response and reduced input latency, supporting 1K–8K output via USB-C and 2.4G wireless.

- **Long-Lasting Battery Life:** Provides up to 800 hours of use at a 1000Hz polling rate, optimized for gaming and daily productivity, with quick USB-C charging.

- **Ergonomic Shape Design:** Sculpted for comfort across claw and fingertip grips, featuring textured side panels for enhanced control and PTFE feet for a smoother glide.

Image 2: Detailed view of the ATK A9 Ultimate's internal components, including the Nordic 54L15 MCU and PAW3950 Ultra sensor.

Image 3: Exploded diagram highlighting the 53g ultra-lightweight design of the ATK A9 Ultimate.

Image 6: Performance overview of the ATK A9 Ultimate, featuring the Apexshark MAX solution and Nordic 54L15 MCU.

3. PACKAGE CONTENTS

The ATK Dragonfly A9 Ultimate package includes the following items:

- ATK Dragonfly A9 Ultimate Wireless Gaming Mouse

- GEM 8K Dongle

- 8K USB-C Cable

- Bonus Balanced Mouse Feet

- Matching Color Grip Tape

- User Guide (this document)

- Warranty Certificate

- Safety Specification Guide

4. Setup Guide

4.1 Charging the Mouse

Before first use, fully charge the mouse using the provided USB-C cable. Connect the USB-C end to the mouse and the USB-A end to a powered USB port on your computer or a USB wall adapter. The LED indicator on the mouse will show charging status.

4.2 Connecting Wirelessly (2.4G Mode)

1. Insert the GEM 8K 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) on the mouse and dongle simultaneously until the connection is established.

4.3 Connecting Wired (USB-C Mode)

To use the mouse in wired mode, simply connect the provided USB-C cable directly from the mouse to your computer. The mouse will function immediately and charge simultaneously.

4.4 Software Installation

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

5. Operating Instructions

5.1 DPI Adjustment

Use the dedicated DPI button (usually located on the top or bottom of the mouse) to cycle through preset DPI levels. For precise control, customize DPI stages via the ATK software.

5.2 Polling Rate Settings

The ATK Dragonfly A9 Ultimate supports up to an 8000Hz polling rate. This can be adjusted via the ATK software. Higher polling rates provide smoother cursor movement and lower input latency but may consume more battery life and system resources.

5.3 Button Customization

All programmable buttons can be remapped to perform various functions, macros, or keyboard shortcuts using the ATK software. Refer to the software's help section for detailed instructions.

5.4 Grip Styles and Ergonomics

The mouse features an ambidextrous design optimized for medium to large hands, accommodating claw, finger, and palm grip styles. The ergonomic side guide slots enhance grip comfort.

Image 4: Ambidextrous design and ergonomic features supporting various grip styles.

Scroll Wheel Optimization

More convenient location
and natural handling

**Gaming Teflon
Large Mouse Feet**

2700mm²+，Bottom shell
coverage rate exceeds 50%

Image 5: Optimized scroll wheel and large Teflon mouse feet for smooth operation.

6. MAINTENANCE

6.1 Cleaning

- Ensure the mouse is turned off and disconnected from your computer before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a mild cleaning solution to wipe the surface of the mouse.
- Avoid using harsh chemicals, abrasive materials, or excessive moisture, as these can damage the mouse.

- Use a soft brush or compressed air to clean dust and debris from around the scroll wheel and sensor area.

6.2 Storage

When not in use for extended periods, store the mouse in a dry, cool place away from direct sunlight and extreme temperatures. Ensure the battery is not completely depleted before storage to prolong its lifespan.

7. TROUBLESHOOTING

7.1 Mouse Not Responding

- **Check Battery:** Ensure the mouse is sufficiently charged. Connect it via USB-C cable to confirm if it works in wired mode.
- **Wireless Connection:** For 2.4G mode, ensure the GEM 8K Dongle is securely plugged into a working USB port. Try a different USB port.
- **Re-pairing:** If the wireless connection is lost, try re-pairing the mouse with the dongle as described in the setup section.
- **Power Cycle:** Turn the mouse off and then on again.

7.2 Erratic Cursor Movement

- **Clean Sensor:** Ensure the optical sensor on the bottom of the mouse is clean and free from dust or debris.
- **Mouse Pad:** Use the mouse on a clean, uniform surface or a high-quality mouse pad. Avoid reflective or transparent surfaces.
- **Interference:** Move the dongle closer to the mouse or away from other wireless devices that might cause interference.

7.3 Software Issues

- **Reinstall Software:** If the ATK software is not functioning correctly, try uninstalling and reinstalling it from the official ATK website.
- **Update Drivers:** Ensure your operating system and mouse drivers are up to date.

8. SPECIFICATIONS

Feature	ATK A9 Ultimate
Product Name	ATK Dragonfly A9 Series Lightweight Wireless Mouse
Model	A9 Ultimate
Color	Black, White, Red, Pink
Coating	New Nano Coating
Dimensions (L x W x H)	125 x 63.5 x 40 mm (Medium to Large Hand Fit)

Feature	ATK A9 Ultimate
Sensor	PAW3950 Ultra
Solution	NORDIC 54L15
Wireless Technology	3rd-gen Apexshark wireless transmission solution, Apexshark Gaming firmware MAX
Polling Rate	Wired/Wireless Dual 8K
Battery	800mAh Nonstandard Battery (included)
Battery Life (1000Hz)	Up to 800 hours
Weight	53 ± 3g (1.94 ounces)
Main Button Switch	ATK customized optical switches
Dongle	New GEM 8K Dongle
Scroll Wheel	TTC Gold Wheel
Mouse Feet	Standard Gray Gaming Mouse Feet + Bonus Balanced Feet (PTFE)
Connectivity Technology	USB (Wired & 2.4G Wireless)
Special Features	Lightweight, Programmable Buttons, Rechargeable
Item Model Number	ATK Dragonfly A9
Manufacturer	ATK
Date First Available	August 14, 2025

Feature	ATK A9 Ultimate

Product Specification

Product Name	ATK Dragonfly A9 Series Lightweight Wireless Mouse	
Model	A9 Ultra Max 2.0	A9 Ultimate
Color	Black、White	Black、White、Red、Pink
Coating	New Nano Coating	
Dimensions	L 125 x W 63.5 x H 40 (mm) All-Round Hand Size Fit	
Sensor	PAW3395Ultra	PAW3950Ultra
Solution	NORDIC 54L15	
Wireless Technology	The 3-gen Apexshark wireless transmission solution, Apexshark Gaming firmware MAX	
Polling Rate	Wired/Wireless Dual 8K	

Image 7: Product specifications table, part 1.

Battery	800mAh	
Battery Life	600 hours (1000Hz)	
Weight	53±3g	
Main Button Switch	ATK Light Blade Mechanical Switches	ATK customized optical Switches
Dongle	New GEM 8K Dongle	
Scroll Wheel	TTC Gold Wheel	
Mouse Feet	Standard Gray Gaming Mouse Feet	Standard Gray Gaming Mouse Feet + Bonus Balanced Feet
Package Content	**A9 Ultra Max 2.0** (Come With Gaming Mouse Feet) ① GEM 8K Dongle ② 8K USB-C Cable ③ Matching Color Grip Tape ④ User Guide ⑤ Warranty Certificate ⑥ Safety Specification Guide **A9 Ultimate** (Mouse Feet & Balanced Mouse Feet) ① GEM 8K Dongle ② 8K USB-C Cable ③ Bonus Balanced Mouse Feet ④ Matching Color Grip Tape ⑤ User Guide ⑥ Warranty Certificate ⑦ Safety Specification Guide	

Image 8: Product specifications table, part 2.

9. WARRANTY INFORMATION

The ATK Dragonfly A9 Ultimate Wireless Gaming Mouse comes with a standard manufacturer's warranty. Please refer to the Warranty Certificate included in your package for specific terms, conditions, and duration of coverage. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please visit the official ATK website or contact ATK customer service. You can find more information and resources at the ATK Store on Amazon.