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› ATKGEAR VXE MAD R Ultra-Lightweight Wireless Gaming Mouse User Manual

ATKGEAR MAD R

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Model: MAD R

1. INTRODUCTION

Thank you for choosing the ATKGEAR VXE MAD R Ultra-Lightweight Wireless Gaming Mouse. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your device. The VXE MAD R is engineered for high-performance gaming, featuring an ultra-lightweight design, advanced optical sensors, and flexible connectivity options to enhance your gaming experience.



Image 1.1: Top view of the ATKGEAR VXE MAD R Wireless Gaming Mouse. This image displays the mouse's ergonomic shape, scroll wheel, and primary buttons.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- ATKGEAR VXE MAD R Wireless Gaming Mouse
- USB-C to USB-A Charging/Data Cable
- 2.4 GHz Wireless Dongle (8K Polling Rate compatible)
- User Manual

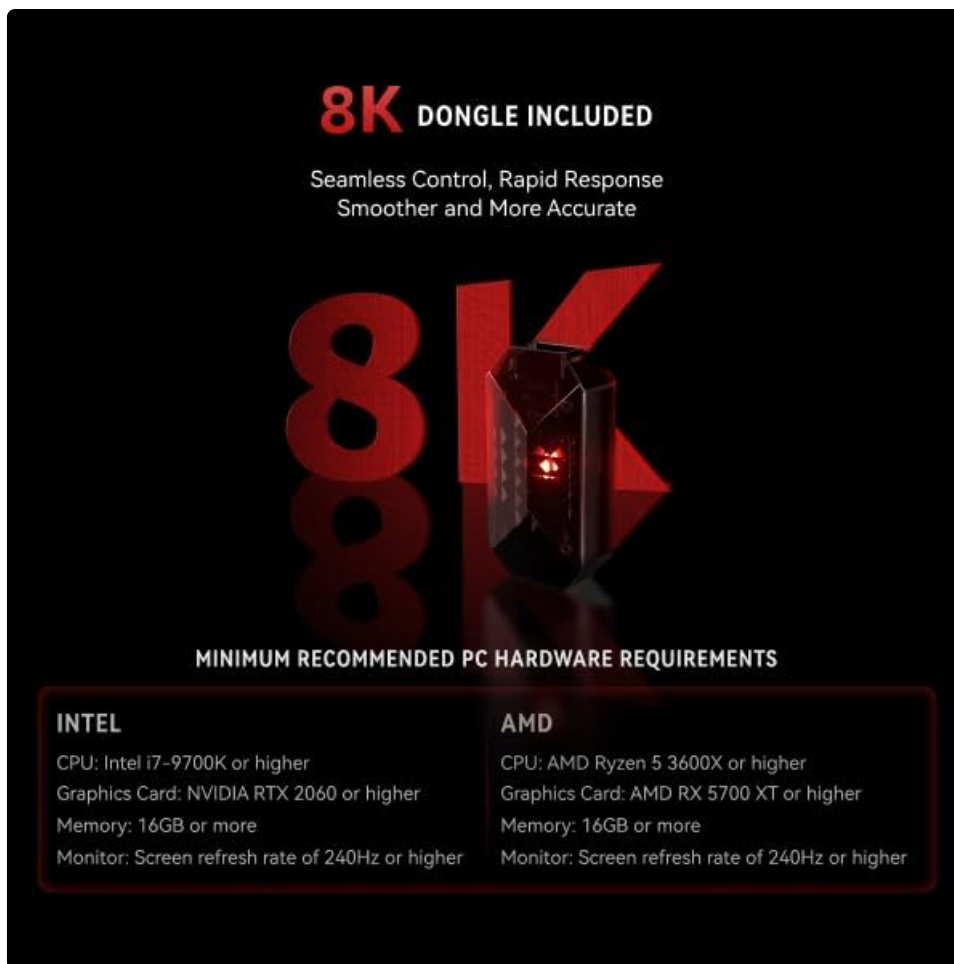


Image 2.1: The 8K wireless dongle included with the VXE MAD R mouse. This dongle enables high-speed wireless connectivity.

3. SETUP GUIDE

3.1 Charging the Mouse

Before initial use, it is recommended to fully charge the mouse. Connect the supplied USB-C cable to the mouse's front port and the USB-A end to an available USB port on your computer or a USB wall adapter. The mouse's indicator light will show charging status.

3.2 Wired Mode Connection

To use the mouse in wired mode, simply connect the USB-C cable from the mouse to your computer's USB-A port. The mouse will automatically switch to wired mode and begin charging.

3.3 2.4 GHz Wireless Mode Connection

1. Insert the 2.4 GHz wireless dongle into an available USB-A port on your computer.
2. Turn on the mouse using the power switch located on the bottom of the device.
3. The mouse should automatically connect to the dongle. If connection is not established, refer to the troubleshooting section.

3.4 Software Installation (ATK V-Hub)

For full customization and advanced features, download and install the ATK V-Hub software. This software is available as a desktop application and a web-based interface. Visit the official ATKGEAR website for download links and instructions.



Image 3.1: Screenshot of the ATK V-Hub software interface, demonstrating options for customizing mouse settings.

4. OPERATING INSTRUCTIONS

4.1 Basic Functions

- **Left Click:** Primary action button.
- **Right Click:** Secondary action button, typically for context menus.
- **Scroll Wheel:** For vertical scrolling. Can also be pressed for a middle-click function.
- **Side Buttons:** Programmable buttons, typically used for forward/back navigation by default.

120mm

CLASSIC ERGONOMIC DESIGN

Perfect Fit for Claw and Palm Grips, Enhancing Overall Comfort



Image 4.1: The ATKGEAR VXE MAD R mouse held in a hand, illustrating its ergonomic design suitable for various grip styles.

4.2 DPI Adjustment

The mouse features a high-precision optical sensor (PAW3395/PAW3950) with adjustable DPI settings up to 26,000. DPI settings can be customized and switched via the ATK V-Hub software. The mouse may have a dedicated DPI cycle button, which can also be configured in the software.

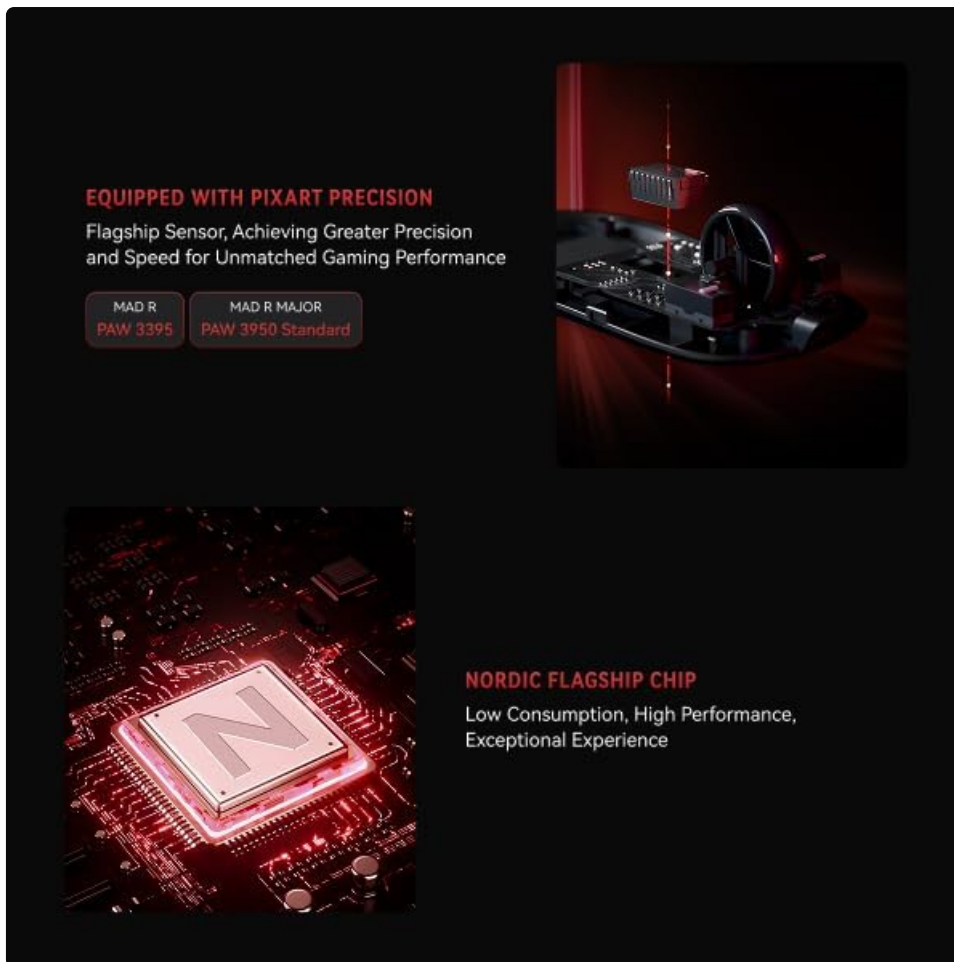


Image 4.2: Close-up view of the Pixart PAW3395/3950 optical sensor, highlighting its precision tracking capabilities.

4.3 Polling Rate Adjustment

The VXE MAD R supports a 1KHz polling rate in wired mode and up to an 8KHz polling rate in 2.4 GHz wireless mode. The polling rate can be adjusted through the ATK V-Hub software to suit your preferences and system capabilities.

4.4 Battery Indicator

The mouse features an LED indicator that displays battery status. Refer to the ATK V-Hub software for detailed battery percentage and low battery warnings.

5. CUSTOMIZATION WITH ATK V-HUB SOFTWARE

The ATK V-Hub software provides comprehensive control over your VXE MAD R mouse. With this software, you can:

- Remap up to six buttons to custom functions or macros.
- Adjust DPI levels and create multiple DPI profiles.
- Configure polling rates for both wired and wireless modes.
- Customize RGB lighting effects (if applicable to your model).
- Adjust scroll wheel behavior.
- Create and manage complex macros.

The software is designed with a clean user interface, avoiding unnecessary bloat, and is available for both desktop and web access.

6. MAINTENANCE

6.1 Cleaning

To maintain optimal performance and appearance, regularly clean your mouse. Use a soft, dry, lint-free cloth to wipe the surface. For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals, abrasive cleaners, or solvents. Ensure no liquid enters the mouse's openings.

The mouse features an "ice-feel" matte coating, which is designed to be stain-resistant and easy to clean.

6.2 Battery Care

To prolong battery life, avoid fully discharging the mouse frequently. Store the mouse at room temperature and avoid extreme heat or cold. If storing for an extended period, charge the battery to approximately 50%.

7. TROUBLESHOOTING

7.1 Mouse Not Responding

- **Check Power:** Ensure the mouse is turned on and has sufficient battery charge.
- **Wired Connection:** If using wired mode, ensure the USB-C cable is securely connected to both the mouse and the computer. Try a different USB port.
- **Wireless Connection:** If using wireless mode, ensure the 2.4 GHz dongle is securely inserted into a USB port. Try a different USB port. Ensure the dongle is within range (up to 10m).
- **Re-pairing:** If the wireless connection is lost, try re-pairing the mouse with the dongle. Refer to the ATKGEAR website for specific re-pairing instructions if automatic connection fails.

7.2 Sensor Tracking Issues

- **Clean Sensor:** Ensure the optical sensor on the bottom of the mouse is clean and free of dust or debris.
- **Mouse Pad:** Use the mouse on a clean, uniform surface or a high-quality mouse pad. Avoid highly reflective or transparent surfaces.
- **DPI Settings:** Adjust DPI settings in the ATK V-Hub software to a level suitable for your usage.

7.3 Software Not Detecting Mouse

- **Restart:** Restart your computer and the ATK V-Hub software.
- **Reinstall Software:** Uninstall and reinstall the ATK V-Hub software.
- **Firmware Update:** Check the ATKGEAR website for any available firmware updates for your mouse.

8. SPECIFICATIONS

Feature	Specification
Model	MAD R
Dimensions	120.1 × 63.2 × 38.1 mm
Weight	36g (±3g); '+' models 42g
Coating	"Ice-feel" Matte
Sensor	PAW3395 / PAW3950 (up to 26,000 DPI, 650 IPS, 50G acceleration)
MCU & Chipset	Nordic nRF52840, Smart Speed X
Connectivity	USB-C Wired, 2.4 GHz Wireless
Polling Rate	125–1 kHz Wired, 125–8 kHz Wireless
Switches	ATK Optical Switches (70 million clicks)
Battery	200 mAh (standard), 500 mAh ('+' models); 60+ hours play
Software	ATK V-Hub (Web & Desktop)

Product Name	MAD R	MAD R+	MAD R MAJOR	MAD R MAJOR+
Dimension	120.1mm × 63.2mm × 38.1mm			
Coating	Smooth Ice-feeling Coating			
Sensor	PAW 3395		PAW3950 Standard	
Chip	Nordic nRF52840			
Transmission Technology	Smart Speed X Wireless			
Polling Rate	Wired 1K + Wireless 8K		Dual 8K	
Battery	200mAh	500mAh	200mAh	500mAh
Weight	36±3g	42±3g	36±3g	42±3g
Connection Method	Wired / Wireless			
Scroll Wheel	F-Switch E10A2			
Microswitch	Omron Optical Microswitches			

*Product images are for reference only and may differ slightly from the actual product. Please refer to the actual product for details.

*Weight range is 36±3g. Variations in color coating may cause minor weight differences, which is normal.

*Battery life is based on lab tests and may vary due to usage habits, environment, and battery cycles. Actual performance may differ.

*Product information and specifications may be updated to ensure accuracy. For the latest details, please check the official website.

Image 8.1: A comprehensive table detailing the specifications of the ATKGEAR VXE MAD R and MAD R+ models.

8.1 Minimum Recommended PC Hardware Requirements for 8K Polling

- **Intel System:** CPU: Intel i7-9700K or higher; Graphics Card: NVIDIA RTX 2060 or higher; Memory: 16GB or more; Monitor: Screen refresh rate of 240Hz or higher.

- **AMD System:** CPU: AMD Ryzen 5 3600X or higher; Graphics Card: AMD RX 5700 XT or higher; Memory: 16GB or more; Monitor: Screen refresh rate of 240Hz or higher.

9. WARRANTY AND SUPPORT

The ATKGEAR VXE MAD R Wireless Gaming Mouse comes with a standard manufacturer's warranty. For detailed warranty terms and conditions, please refer to the warranty card included in your product packaging or visit the official ATKGEAR website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact ATKGEAR customer service through their official website or the contact information provided in your product documentation.