

[Manuals.plus](#) /

› [ATKGEAR](#) /

› ATK VXE Dragonfly R1 Wireless Gaming Mouse User Manual

## ATKGEAR R1

# ATK VXE Dragonfly R1 Wireless Gaming Mouse User Manual

Model: R1

## INTRODUCTION

---

The ATK VXE Dragonfly R1 Wireless Gaming Mouse is engineered for high-performance gaming, offering a lightweight design, advanced sensor technology, and versatile connectivity. This manual provides detailed instructions for setting up, operating, and maintaining your R1 gaming mouse to ensure optimal performance.



Image: Top view of the ATK VXE Dragonfly R1 Wireless Gaming Mouse in black, showcasing its ergonomic shape and button layout.

## PACKAGE CONTENTS

---

Please verify that all items are present in your package:

- ATK VXE Dragonfly R1 Wireless Gaming Mouse
- USB-C Charging/Data Cable
- 2.4GHz Wireless Receiver (USB Dongle)
- User Manual (this document)
- Nonstandard Battery (pre-installed)

## SETUP

---

### 1. Charging the Mouse

Before first use, it is recommended to fully charge the mouse. Connect the supplied USB-C cable to the mouse's charging port and the other end to a USB power source (e.g., computer USB port, USB wall adapter).

### 2. Connectivity Options

The ATK VXE Dragonfly R1 supports multiple connection modes:

- **2.4GHz Wireless:** For optimal gaming performance. Insert the 2.4GHz USB receiver into an available USB port on your computer. The mouse should automatically connect.
- **Bluetooth:** For general use and compatibility with various devices. Activate Bluetooth pairing mode on the mouse (refer to operating instructions for specific button combinations) and select "ATK VXE R1" from your device's Bluetooth settings.
- **Wired (USB-C):** Connect the mouse directly to your computer using the USB-C cable. This mode also charges the mouse.



Image: Diagram illustrating the Tri-Mode connectivity options: Bluetooth, 2.4GHz wireless, and wired USB-C connection for the ATK VXE Dragonfly R1 mouse.

## OPERATING INSTRUCTIONS

---

### 1. Power On/Off

Locate the power switch on the underside of the mouse. Slide it to the "ON" position to power on and "OFF" to power off.

## 2. DPI Adjustment

The mouse features adjustable DPI settings. Press the DPI button (usually located on the underside or top of the mouse, depending on the model) to cycle through preset DPI levels. An indicator light may change color to show the current DPI setting.

## 3. Programmable Macro Keys

The ATK VXE Dragonfly R1 includes programmable macro keys. To customize these keys, download and install the official ATKGEAR software from the manufacturer's website. The software allows you to assign functions, macros, and adjust other mouse settings.

## KEY FEATURES

- **Lightweight Design (48g):** The R1 mouse is designed for agility and comfort during extended gaming sessions.



Image: Exploded view of the ATK VXE Dragonfly R1 mouse highlighting its lightweight internal components and showing weight comparisons for different R1 series models.

- **PAW3395/SE Flagship Sensor:** Equipped with a high-end optical sensor for precise tracking and accuracy, essential for competitive gaming.

# **SENSEOR** PAW3395/SE

An esports flagship sensor with powerful optical tracking performance, perfect for esports scenarios.



**4000Hz polling rate support,  
Bringing a silky-smooth mouse experience.**

\* 4K polling rates require separate purchase of receiver depending on the version.



Image: Close-up of the ATK VXE Dragonfly R1 mouse, emphasizing the PAW3395/SE sensor and indicating 4000Hz polling rate support.

- **Smart Speed X Transmission Technology:** VXE's proprietary wireless technology ensures ultra-low latency and enhanced signal stability, even in environments with interference.

# **latency** Smart Speed X

VXE's self-developed transmission technology, deeply researched based on Nordic master chip, doubles low latency and endurance, creating the ultimate gaming weapon.



**Smart Speed X Wireless Transmission Technology**  
*Low latency, one step ahead; even in strong signal interference environments, it operates smoothly.*

Image: Depiction of the ATK VXE Dragonfly R1 mouse with text highlighting "Smart Speed X" wireless transmission technology for low latency.

- **Nordic/BEKEN(compx)/Hisilicon Nearlink MCU:** Features a flagship-level chip for powerful performance, low power consumption, and improved interference resistance.



Image: Graphic showing the ATK VXE Dragonfly R1 mouse and its MCU, emphasizing 4K polling rate capability for both office and gaming.

- **ATK Micro Switches (Kailh White Blade / Ice Berry Pink Dot):** Designed for a consistent click feel and long lifespan.
  - Kailh White Blade: 100 Million Click Lifespan, balanced feel.
  - Ice Berry Pink Dot: 90 Million Click Lifespan, soft bounce feel.

# Switch **Kailh White Blade/ Ice Berry Pink Dot**

Soft/Balanced Feel, Long Lifespan, Suitable for Prolonged Use



Image: Detailed illustration comparing Kailh White Blade and Ice Berry Pink Dot micro switches, showing their click lifespan and feel characteristics.

- **Smooth Ice-Feeling Coating:** A dirt-resistant and easy-to-clean surface that provides a comfortable and grippy feel.



Image: Visual representation of the smooth ice-feeling coating on the ATK VXE Dragonfly R1 mouse, contrasting smooth and matte textures available on different R1 series models.

## MAINTENANCE

---

- **Cleaning:** Use a soft, dry cloth to wipe the mouse surface. For stubborn dirt, a slightly damp cloth with mild soap can be used, ensuring no liquid enters the mouse. The "Ice-Feel" coating is designed to be dirt-resistant and easy to clean.
- **Battery Care:** To prolong battery life, avoid fully discharging the mouse frequently. Charge the mouse when the battery indicator is low. Store the mouse in a cool, dry place when not in use for extended periods.
- **Sensor Maintenance:** Keep the optical sensor on the underside of the mouse clean and free from dust or debris for accurate tracking.

## TROUBLESHOOTING

---

- **Mouse not responding:**
  - Ensure the mouse is powered on.
  - Check battery level and charge if necessary.
  - For 2.4GHz wireless, ensure the USB receiver is securely plugged in and within range.
  - For Bluetooth, ensure Bluetooth is enabled on your device and the mouse is paired.
  - Try connecting via USB-C cable to rule out wireless issues.
- **Inconsistent tracking:**
  - Clean the optical sensor on the underside of the mouse.

- Ensure you are using the mouse on a suitable surface (e.g., a mouse pad).
- Check for software updates for the mouse driver or ATKGEAR software.
- **Connectivity issues:**
  - Move the mouse closer to the 2.4GHz receiver or Bluetooth device.
  - Avoid sources of strong electromagnetic interference (e.g., Wi-Fi routers, other wireless devices).
  - Re-pair the Bluetooth connection or re-insert the 2.4GHz receiver.

## SPECIFICATIONS

---

### ATK VXE Dragonfly R1 Series Key Specifications

| Feature        | Detail  |
|----------------|---|
| Model          | R1  |
| Dimensions     | 6.3 x 4.72 x 2.36 inches (Package)                                |
| Item Weight    | 7 ounces (approx. 48g for mouse only)                             |
| Sensor         | PAW3395/SE Optical  |
| Connectivity   | Bluetooth, 2.4GHz Wireless, USB-C Wired                           |
| Polling Rate   | Up to 4000Hz (requires separate receiver for some versions)       |
| Micro Switches | Kailh White Blade (100M clicks) / Ice Berry Pink Dot (90M clicks) |
| Coating        | Smooth Ice-Feeling  |
| Battery        | Nonstandard Battery (included)                                    |
| Manufacturer   | ATKGEAR   |

| Product Name                      | VXE Dragonfly R1 Series                     |               |                           |  |                                      |
|-----------------------------------|---|---------------|---------------------------|--|--------------------------------------|
| Model                             | R1 Nearlink                                 | R1 SE PLUS    | R1                        | R1 PRO                                 | R1 PRO MAX                           |
| Dimensions                        | 120.6mm * 64.0mm * 37.8mm                   |               |                           |  |                                      |
| Coating                           | None  |               |                           | Smooth ice-feeling coating             |                                      |
| Sensor                            | PAW 3395 SE                                 |               | PAW 3395                  |  |                                      |
| Chip                              | HiSilicon Nearlink                          | BEKEN(compx)  |                           | Nordic 52840                           |                                      |
| Transmission Technology           | Smart Speed X Wireless                      |               |                           |  |                                      |
| Polling Rate                      | 1000 Hz                                     |               |                           | 125~4000Hz                             |                                      |
| Battery                           | 500mAh                                      | 500mAh        | 250mAh                    | 250mAh                                 | 500mAh                               |
| Continuous Operating Battery Life | 150h (1000Hz)                               | 70h (1000Hz)  | 40h (1000Hz)              | 75h (1000Hz)                           | 150h (1000Hz)                        |
| Weight                            | 53g+3                                       | 55g           | 51g                       | 48g                                    | 54g                                  |
| Microswitch                       | Huanuo Blue Glow V2                         |               | Huanuo Ice Berry Pink Dot |  | Kailh White Blade 100 Million Clicks |
| Scroll Wheel                      | Kailh GE Upgraded Version                   |               |                           | E10/TTC Silver Wheel (Random Dispatch) |                                      |
| Mouse Feet                        | Swift PTFE Feet                             |               |                           |  |                                      |
| Connection Method                 | Wired/Nearlink/BT                           | Wired/2.4G/BT |                           | Wired/2.4G                             |                                      |
| 2.4G Receiver                     | Standard Receiver (Default 1K polling rate) |               |                           |  |                                      |

Image: Detailed table outlining specifications for various models within the VXE Dragonfly R1 series, including dimensions, coating, sensor, chip, polling rate, battery life, weight, microswitches, scroll wheel, mouse feet, and connection methods.

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ATKGEAR website or contact their customer service. Specific warranty terms may vary by region and retailer. Keep your proof of purchase for warranty claims.

Manufacturer: ATKGEAR

