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> [ATK VXE Dragonfly R1 Pro Max Wireless Gaming Mouse User Manual](#)

## ATK R1 Pro Max

# ATK VXE Dragonfly R1 Pro Max Wireless Gaming Mouse User Manual

MODEL: R1 PRO MAX

## 1. Introduction

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The ATK VXE Dragonfly R1 Pro Max is a high-performance wireless gaming mouse engineered for precision, speed, and comfort. Featuring an ultra-lightweight design, a PixArt PAW3395 sensor, and dual-mode 2.4G wireless/wired connectivity, it offers an exceptional gaming experience. This manual provides detailed instructions for setting up, operating, and maintaining your mouse to ensure optimal performance.

## 2. Package Contents

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Verify that all items are present in your package:

- ATK VXE Dragonfly R1 Pro Max Wireless Gaming Mouse
- 2.4G USB Wireless Receiver
- USB-C to USB-A Charging/Data Cable
- User Manual & Warranty Card
- Grip Tapes
- Extra PTFE Mouse Feet

**48g** \* Lightweight Design

**51g**

R1

**48g**

R1pro

**55g**

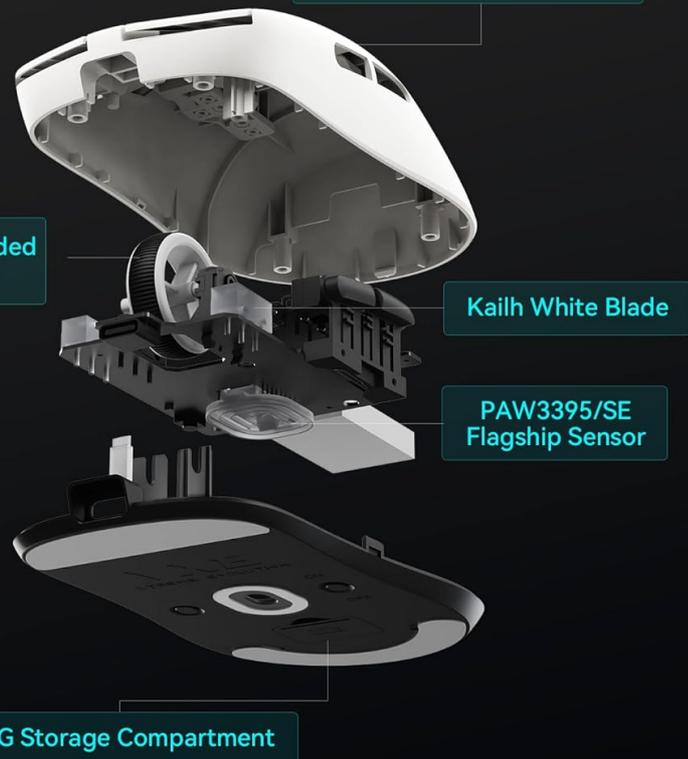
RISE+

**54g**

R1PRO MAX

**53g±3**

R1Nearlink



R1 SE+

Huanuo  
Blue Glow V2

R1/R1PRO

Huanuo Ice Berry  
Pink Dot

R1PRO MAX

Kailh White Blade

R1 Nearlink

Huanuo Blue  
Glow V2

Image: ATK VXE Dragonfly R1 Pro Max mouse, USB-C cable, and 2.4G wireless receiver.

Video: Unboxing the ATK R1 Gaming Mouse, showing the mouse and included accessories.

## 3. Setup

### 3.1 Charging the Mouse

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

### 3.2 Connecting via 2.4G Wireless

1. Locate the 2.4G USB wireless receiver. It may be stored in a compartment on the underside of the mouse.
2. Plug the 2.4G USB receiver into an available USB-A port on your computer.
3. Turn on the mouse using the power switch located on the underside. The mouse will automatically connect to the receiver.

# PixArt Esports Flagship Sensor

Precision tracking unbeatable in every aspect

## PixArt PAW3395 SE

### DPI

100 – 18000DPI

### Tracking speed | Acceleration

400ips      40g

### Driver-Free Gear Switching

Red-400 DPI  
Green-800 DPI (Default)  
Blue-1600 DPI  
Purple-3200 DPI

## PixArt PAW3395

### DPI

100 – 26000 DPI

### Tracking speed | Acceleration

650ips      50g

### Pre-set profiles

Red-400 DPI  
Green-800 DPI (Default)  
Blue-1600 DPI  
Purple-3200 DPI

Image: The ATK VXE Dragonfly R1 Pro Max mouse connected wirelessly via its 2.4G USB receiver.

### 3.3 Connecting via Wired Mode

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

# **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: The ATK VXE Dragonfly R1 Pro Max mouse connected via its USB-C cable for wired use and charging.

### **3.4 Applying Grip Tapes (Optional)**

For enhanced grip and control, you may apply the included grip tapes to the sides and main buttons of the mouse. Ensure the mouse surface is clean and dry before application.

## **4. Operating Instructions**

### **4.1 DPI Adjustment**

The DPI (Dots Per Inch) setting controls the mouse cursor's sensitivity. The R1 Pro Max features a dedicated DPI switch button on the underside of the mouse. Press this button to cycle through pre-set DPI levels. The default DPI settings are typically 400 (Red), 800 (Green - Default), 1600 (Blue), and 3200 (Purple). These can be customized via the ATK Hub software.

# MCU Nordic /BEKEN(compx)/ HiSilicon Nearlink

Flagship-level Chip, Powerful Performance, Low Power Consumption, Enhanced Interference Resistance, Engineered for eSports.

## 4k

## Polling Rate

Chip performance can reach 4k efficiency, Suitable for both office and gaming



Image: The underside of the mouse, highlighting the DPI switch button and power switch.

## 4.2 Polling Rate

The polling rate determines how often the mouse reports its position to the computer. The R1 Pro Max supports polling rates from 125Hz to 4000Hz. To achieve 4K (4000Hz) polling, a separate 4K compatible receiver may be required, which is not included with the standard package. The default receiver supports up to 1000Hz.



Image: Diagram showing the mouse's MCU and 4K polling rate capability.

## 4.3 Programmable Buttons and Software

The ATK VXE Dragonfly R1 Pro Max features programmable buttons. To customize button functions, macros, DPI settings, and other parameters, use the ATK Hub web-based software. This software is accessible via ATK's official website and does not require installation.

## 5. Maintenance

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### 5.1 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, a slightly damp cloth with mild soap can be used, ensuring no liquid enters the mouse. Avoid harsh chemicals or abrasive materials.

### 5.2 Battery Care

To prolong battery life, avoid fully discharging the mouse frequently. Charge the mouse when the low battery indicator appears. Store the mouse in a cool, dry place when not in use for extended periods.

## 6. Troubleshooting

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- **Mouse Not Responding:** Ensure the mouse is powered on and fully charged. Check the 2.4G USB receiver connection to your computer. Try a different USB port.
- **Erratic Cursor Movement:** Clean the mouse sensor on the underside. Ensure your mouse pad or surface is clean and free of debris. Check for strong wireless interference from other devices.
- **Connectivity Issues:** If using 2.4G wireless, ensure the receiver is close to the mouse. If issues persist, try re-pairing the mouse with the receiver (refer to ATK Hub software for specific instructions).
- **Buttons Not Working:** Check if button assignments have been changed in the ATK Hub software.
- **Low Battery Life:** Ensure the mouse is fully charged. Reduce polling rate if not needed for specific tasks, as higher polling rates consume more power.

If you encounter issues not covered here, please refer to the ATK support website or contact customer service.

## 7. Specifications

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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 specifications table for the VEX Dragonfly R1 Series, including the R1 Pro Max.

Feature	Specification (R1 Pro Max)
Model	R1 Pro Max
Weight	54g
Sensor	PixArt PAW3395
DPI Range	100 - 26,000 DPI
Polling Rate	125 - 4,000Hz (4K requires separate receiver)
Connectivity	2.4G Wireless, Wired (USB-C)
Battery Life	Up to 150 hours (at 1000Hz)
Dimensions	120.6 x 64.0 x 37.8 mm
Switches	Kailh White Blade (100 Million Clicks)
Coating	Smooth ice-feeling coating

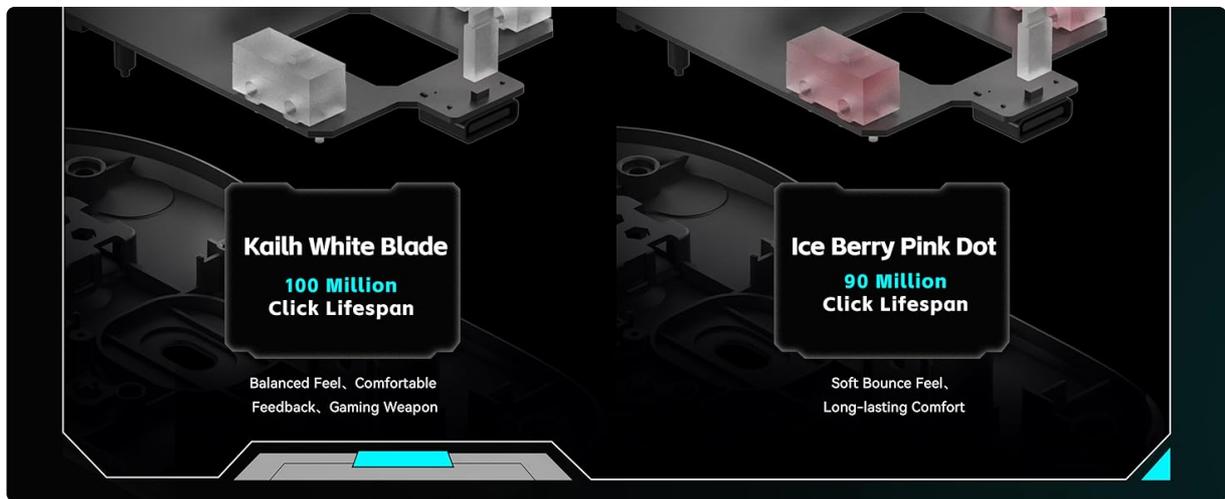


Image: Exploded view of the ATK VXE Dragonfly R1 Series mouse, showing internal components like the sensor and switches.

## 8. Warranty and Support

Your ATK VXE Dragonfly R1 Pro Max Wireless Gaming Mouse comes with a product warranty. Please refer to the included warranty card for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please visit the official ATK website or contact ATK customer service.

**ATK Official Store:** <https://www.amazon.com/stores/ATK/page/224A09D5-D385-495A-9961-B8A6C4A3EEA6>