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## Razer RZ01-03050100-R3U1

# Razer Viper Ultimate Wireless Gaming Mouse & RGB Charging Dock Instruction Manual

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Razer Viper Ultimate Wireless Gaming Mouse and RGB Charging Dock. Please read this guide thoroughly to ensure proper use and to maximize the performance of your device.



Image 1.1: The Razer Viper Ultimate Wireless Gaming Mouse resting on its RGB charging dock.

## 2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Razer Viper Ultimate Wireless Gaming Mouse
- Razer RGB Charging Dock
- USB Wireless Dongle
- USB Charging Cable
- Important Product Information Guide

## 3. PRODUCT OVERVIEW

### 3.1. Razer Viper Ultimate Wireless Gaming Mouse

The Razer Viper Ultimate is a lightweight, high-performance wireless gaming mouse designed for precision and speed.



Image 3.1: The Razer Viper Ultimate Wireless Gaming Mouse positioned on a mouse pad.

- **Ambidextrous Design:** Suitable for both left and right-handed users.
- **8 Programmable Buttons:** Customizable via Razer Synapse software.
- **Razer Focus+ Optical Sensor:** Up to 20,000 DPI for precise tracking.
- **Razer Optical Mouse Switches:** Light beam-based actuation for rapid response.
- **Razer HyperSpeed Wireless Technology:** Low-latency wireless connection.
- **Battery Life:** Up to 70 hours on a single charge.
- **Weight:** Approximately 74 grams.



Image 3.2: A close-up view of the Razer Viper Ultimate mouse, highlighting its side buttons.

### 3.2. Razer RGB Charging Dock

The charging dock provides a convenient way to charge your mouse and houses the USB wireless dongle.



Image 3.3: The Razer RGB Charging Dock with the Viper Ultimate mouse securely connected for charging.

- **Magnetic Connection:** Ensures secure placement of the mouse for charging.
- **RGB Lighting:** Customizable Chroma lighting effects.
- **USB-A Port:** For connecting the wireless dongle.

## 4. SETUP

### 4.1. Connecting the Charging Dock and Wireless Dongle

1. Connect the USB charging cable to the Razer RGB Charging Dock and then to an available USB port on your computer.
2. Insert the USB wireless dongle into the USB-A port located on the charging dock. Alternatively, the dongle can be connected directly to a USB port on your computer.

### 4.2. Initial Mouse Charging and Pairing

1. Place the Razer Viper Ultimate mouse onto the charging dock. The mouse will magnetically align and begin charging. The RGB lighting on the dock will indicate charging status.
2. The mouse should automatically pair with the wireless dongle. If pairing does not occur, ensure the mouse is powered on using the switch on its underside.

### 4.3. Installing Razer Synapse Software

For full customization of DPI settings, button assignments, and RGB lighting, download and install the Razer Synapse software from the official Razer website ([www.razer.com/synapse](http://www.razer.com/synapse)).

## 5. OPERATING INSTRUCTIONS

### 5.1. Powering On/Off

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

### 5.2. DPI Adjustment

The mouse features a DPI cycle button, typically located on the underside. Press this button to cycle through preset DPI stages. These stages can be customized using Razer Synapse.

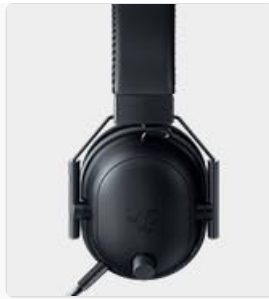


Image 5.1: Detail of the mouse's scroll wheel and the DPI adjustment button.

### 5.3. Programmable Buttons

The Razer Viper Ultimate has 8 programmable buttons. Use Razer Synapse to assign custom functions, macros, or shortcuts to these buttons.

### 5.4. Chroma RGB Lighting

Customize the RGB lighting effects on both the mouse and the charging dock using Razer Synapse. Choose from various effects, colors, and brightness levels.

### 5.5. Battery Management

Monitor the mouse's battery level through the Razer Synapse software. When the battery is low, place the mouse on the charging dock or connect it directly with the USB cable to recharge.

## 6. MAINTENANCE

### 6.1. Cleaning the Mouse and Dock

To clean your mouse and charging dock, use a dry, soft cloth. Avoid using harsh chemicals, abrasive materials, or excessive moisture, as these can damage the device.

### 6.2. Battery Care

To prolong battery life, avoid exposing the mouse to extreme temperatures. Fully charge the mouse before long periods of inactivity. If storing for an extended time, charge it to approximately 50%.

## 7. TROUBLESHOOTING

If you encounter issues with your Razer Viper Ultimate, refer to the following common solutions:

- **Connectivity Issues:**

- Ensure the USB wireless dongle is securely connected to your PC or the charging dock.
- Verify the mouse is powered on and sufficiently charged.
- Try connecting the dongle to a different USB port on your computer.
- If issues persist, attempt to re-pair the mouse with the dongle via Razer Synapse.

- **Charging Problems:**

- Check that the USB charging cable is firmly connected to both the dock and your computer.
- Ensure the mouse is correctly seated on the charging dock, making proper contact with the charging pins. The magnetic connection should guide it into place.
- If the dock lifts when removing the mouse, ensure the dock's base is clean and making full contact with

the desk surface.

- **Razer Synapse Software Issues:**
  - Ensure your Razer Synapse software is updated to the latest version.
  - Restart your computer and the Synapse application.
  - If profile switching causes delays or disconnections, consider saving your preferred profiles directly to the mouse's onboard memory to bypass software-based switching.
- **Mouse Not Responding:**
  - Power cycle the mouse using the switch on its underside.
  - Check the battery level. If low, charge the mouse.

8. SPECIFICATIONS

Feature	Specification
Model Number	RZ01-03050100-R3U1
Connectivity	Razer HyperSpeed Wireless (2.4GHz), USB Wired
Sensor	Razer Focus+ Optical Sensor
Max DPI	20,000
Max Speed (IPS)	650
Acceleration (G)	50
Programmable Buttons	8
Switch Type	Razer Optical Mouse Switches
Battery Life	Up to 70 hours
Weight	74g (approx. 2.72 ounces)
Dimensions (LxWxH)	126.7 mm x 66.2 mm x 37.8 mm (4.98 x 2.61 x 1.49 inches)
RGB Lighting	Razer Chroma RGB
On-board Memory Profiles	5
Operating System Compatibility	Windows, macOS, Linux







9. WARRANTY AND SUPPORT

For detailed warranty information, product support, and frequently asked questions, please visit the official Razer support website. You can also refer to the comprehensive user manual available in PDF format:

- **Razer Support Website:** [support.razer.com](https://support.razer.com)
- **User Manual (PDF):** [Download PDF Manual](#)

Razer is committed to providing high-quality products and support. Should you require further assistance, please contact Razer customer service through their official channels.

## Related Documents - RZ01-03050100-R3U1

	<p><a href="#">Razer Viper Ultimate Master Guide: Setup, Configuration, and Features</a></p> <p>Comprehensive master guide for the Razer Viper Ultimate wireless gaming mouse. Learn about setup, technical specifications, Razer Synapse 3 configuration, lighting, performance tuning, safety, and maintenance.</p>
	<p><a href="#">Razer Naga Pro Master Guide: Wireless Gaming Mouse Configuration and Features</a></p> <p>Comprehensive guide to the Razer Naga Pro wireless gaming mouse, covering setup, configuration via Razer Synapse, technical specifications, safety, maintenance, and legal information. Learn about its advanced features, customizable buttons, and Chroma RGB lighting.</p>
	<p><a href="#">Razer Basilisk Master Guide: Setup, Configuration, and Features</a></p> <p>A comprehensive master guide for the Razer Basilisk gaming mouse, detailing its features, setup process, Razer Synapse 3 software configuration, technical specifications, safety guidelines, and maintenance instructions.</p>
	<p><a href="#">Razer Cobra Pro Master Guide: Setup, Features, and Configuration</a></p> <p>Comprehensive master guide for the Razer Cobra Pro wireless gaming mouse. Learn about setup, connectivity options (HyperSpeed Wireless, Bluetooth, Wired), Razer Synapse configuration, performance settings, lighting customization, safety, and maintenance.</p>
	<p><a href="#">Razer Viper V2 Pro Master Guide: Setup, Configuration, and Safety</a></p> <p>Comprehensive master guide for the Razer Viper V2 Pro wireless gaming mouse, covering setup, Razer Synapse configuration, performance tuning, safety guidelines, and maintenance.</p>
	<p><a href="#">Razer Viper V3 HyperSpeed Master Guide - Setup and Configuration</a></p> <p>Comprehensive master guide for the Razer Viper V3 HyperSpeed wireless gaming mouse, covering setup, configuration via Razer Synapse, technical specifications, and safety guidelines.</p>



HP ProDesk 600 G6 MT (240W) Options and Accessories 22210600				
Item Number	Item Name	MSRP (US\$)	Education (US\$)	MSRP (US\$)
22219920	Upgradable to 32GB RAM	120.00	120.00	60.00
22219920	Upgradable to 64GB RAM	240.00	240.00	120.00
22219920	Upgradable to 128GB RAM	480.00	480.00	240.00
22219920	Upgradable to 256GB RAM	960.00	960.00	480.00
22219920	Upgradable to 512GB RAM	1,920.00	1,920.00	960.00
22219920	Upgradable to 1TB RAM	3,840.00	3,840.00	1,920.00
22219920	Upgradable to 2TB RAM	7,680.00	7,680.00	3,840.00
22219920	Upgradable to 4TB RAM	15,360.00	15,360.00	7,680.00
22219920	Upgradable to 8TB RAM	30,720.00	30,720.00	15,360.00
22219920	Upgradable to 16TB RAM	61,440.00	61,440.00	30,720.00
22219920	Upgradable to 32TB RAM	122,880.00	122,880.00	61,440.00
22219920	Upgradable to 64TB RAM	245,760.00	245,760.00	122,880.00
22219920	Upgradable to 128TB RAM	491,520.00	491,520.00	245,760.00
22219920	Upgradable to 256TB RAM	983,040.00	983,040.00	491,520.00
22219920	Upgradable to 512TB RAM	1,966,080.00	1,966,080.00	983,040.00
22219920	Upgradable to 1TB RAM	3,932,160.00	3,932,160.00	1,966,080.00
22219920	Upgradable to 2TB RAM	7,864,320.00	7,864,320.00	3,932,160.00
22219920	Upgradable to 4TB RAM	15,728,640.00	15,728,640.00	7,864,320.00
22219920	Upgradable to 8TB RAM	31,457,280.00	31,457,280.00	15,728,640.00
22219920	Upgradable to 16TB RAM	62,914,560.00	62,914,560.00	31,457,280.00
22219920	Upgradable to 32TB RAM	125,829,120.00	125,829,120.00	62,914,560.00
22219920	Upgradable to 64TB RAM	251,658,240.00	251,658,240.00	125,829,120.00
22219920	Upgradable to 128TB RAM	503,316,480.00	503,316,480.00	251,658,240.00
22219920	Upgradable to 256TB RAM	1,006,632,960.00	1,006,632,960.00	503,316,480.00
22219920	Upgradable to 512TB RAM	2,013,265,920.00	2,013,265,920.00	1,006,632,960.00
22219920	Upgradable to 1TB RAM	4,026,531,840.00	4,026,531,840.00	2,013,265,920.00
22219920	Upgradable to 2TB RAM	8,053,063,680.00	8,053,063,680.00	4,026,531,840.00
22219920	Upgradable to 4TB RAM	16,106,127,360.00	16,106,127,360.00	8,053,063,680.00
22219920	Upgradable to 8TB RAM	32,212,254,720.00	32,212,254,720.00	16,106,127,360.00
22219920	Upgradable to 16TB RAM	64,424,509,440.00	64,424,509,440.00	32,212,254,720.00
22219920	Upgradable to 32TB RAM	128,849,018,880.00	128,849,018,880.00	64,424,509,440.00
22219920	Upgradable to 64TB RAM	257,698,037,760.00	257,698,037,760.00	128,849,018,880.00
22219920	Upgradable to 128TB RAM	515,396,075,520.00	515,396,075,520.00	257,698,037,760.00
22219920	Upgradable to 256TB RAM	1,030,792,151,040.00	1,030,792,151,040.00	515,396,075,520.00
22219920	Upgradable to 512TB RAM	2,061,584,302,080.00	2,061,584,302,080.00	1,030,792,151,040.00
22219920	Upgradable to 1TB RAM	4,123,168,604,160.00	4,123,168,604,160.00	2,061,584,302,080.00
22219920	Upgradable to 2TB RAM	8,246,337,208,320.00	8,246,337,208,320.00	4,123,168,604,160.00
22219920	Upgradable to 4TB RAM	16,492,674,416,640.00	16,492,674,416,640.00	8,246,337,208,320.00
22219920	Upgradable to 8TB RAM	32,985,348,833,280.00	32,985,348,833,280.00	16,492,674,416,640.00
22219920	Upgradable to 16TB RAM	65,970,697,666,560.00	65,970,697,666,560.00	32,985,348,833,280.00
22219920	Upgradable to 32TB RAM	131,941,395,333,120.00	131,941,395,333,120.00	65,970,697,666,560.00
22219920	Upgradable to 64TB RAM	263,882,790,666,240.00	263,882,790,666,240.00	131,941,395,333,120.00
22219920	Upgradable to 128TB RAM	527,765,581,332,480.00	527,765,581,332,480.00	263,882,790,666,240.00
22219920	Upgradable to 256TB RAM	1,055,531,162,664,960.00	1,055,531,162,664,960.00	527,765,581,332,480.00
22219920	Upgradable to 512TB RAM	2,111,062,325,329,920.00	2,111,062,325,329,920.00	1,055,531,162,664,960.00
22219920	Upgradable to 1TB RAM	4,222,124,650,659,840.00	4,222,124,650,659,840.00	2,111,062,325,329,920.00
22219920	Upgradable to 2TB RAM	8,444,249,301,319,680.00	8,444,249,301,319,680.00	4,222,124,650,659,840.00
22219920	Upgradable to 4TB RAM	16,888,498,602,639,360.00	16,888,498,602,639,360.00	8,444,249,301,319,680.00
22219920	Upgradable to 8TB RAM	33,776,997,205,278,720.00	33,776,997,205,278,720.00	16,888,498,602,639,360.00
22219920	Upgradable to 16TB RAM	67,553,994,410,557,440.00	67,553,994,410,557,440.00	33,776,997,205,278,720.00
22219920	Upgradable to 32TB RAM	135,107,988,821,114,880.00	135,107,988,821,114,880.00	67,553,994,410,557,440.00
22219920	Upgradable to 64TB RAM	270,215,977,642,229,760.00	270,215,977,642,229,760.00	135,107,988,821,114,880.00
22219920	Upgradable to 128TB RAM	540,431,955,284,459,520.00	540,431,955,284,459,520.00	270,215,977,642,229,760.00
22219920	Upgradable to 256TB RAM	1,080,863,910,568,919,040.00	1,080,863,910,568,919,040.00	540,431,955,284,459,520.00
22219920	Upgradable to 512TB RAM	2,161,727,821,137,838,080.00	2,161,727,821,137,838,080.00	1,080,863,910,568,919,040.00
22219920	Upgradable to 1TB RAM	4,323,455,642,275,676,160.00	4,323,455,642,275,676,160.00	2,161,727,821,137,838,080.00
22219920	Upgradable to 2TB RAM	8,646,911,284,551,352,320.00	8,646,911,284,551,352,320.00	4,323,455,642,275,676,160.00
22219920	Upgradable to 4TB RAM	17,293,822,569,102,704,640.00	17,293,822,569,102,704,640.00	8,646,911,284,551,352,320.00
22219920	Upgradable to 8TB RAM	34,587,645,118,205,409,280.00	34,587,645,118,205,409,280.00	17,293,822,569,102,704,640.00
22219920	Upgradable to 16TB RAM	69,175,290,236,410,818,560.00	69,175,290,236,410,818,560.00	34,587,645,118,205,409,280.00
22219920	Upgradable to 32TB RAM	138,350,580,472,821,637,120.00	138,350,580,472,821,637,120.00	69,175,290,236,410,818,560.00
22219920	Upgradable to 64TB RAM	276,701,160,945,643,274,240.00	276,701,160,945,643,274,240.00	138,350,580,472,821,637,120.00
22219920	Upgradable to 128TB RAM	553,402,321,891,286,548,480.00	553,402,321,891,286,548,480.00	276,701,160,945,643,274,240.00
22219920	Upgradable to 256TB RAM	1,106,804,643,782,573,096,960.00	1,106,804,643,782,573,096,960.00	553,402,321,891,286,548,480.00
22219920	Upgradable to 512TB RAM	2,213,609,287,565,146,193,920.00	2,213,609,287,565,146,193,920.00	1,106,804,643,782,573,096,960.00
22219920	Upgradable to 1TB RAM	4,427,218,575,130,292,387,840.00	4,427,218,575,130,292,387,840.00	2,213,609,287,565,146,193,920.00
22219920	Upgradable to 2TB RAM	8,854,437,150,260,584,775,680.00	8,854,437,150,260,584,775,680.00	4,427,218,575,130,292,387,840.00
22219920	Upgradable to 4TB RAM	17,708,874,300,521,169,551,360.00	17,708,874,300,521,169,551,360.00	8,854,437,150,260,584,775,680.00
22219920	Upgradable to 8TB RAM	35,417,748,601,042,339,102,720.00	35,417,748,601,042,339,102,720.00	17,708,874,300,521,169,551,360.00
22219920	Upgradable to 16TB RAM	70,835,497,202,084,678,205,440.00	70,835,497,202,084,678,205,440.00	35,417,748,601,042,339,102,720.00
22219920	Upgradable to 32TB RAM	141,670,994,404,169,356,410,880.00	141,670,994,404,169,356,410,880.00	70,835,497,202,084,678,205,440.00
22219920	Upgradable to 64TB RAM	283,341,988,808,338,712,821,760.00	283,341,988,808,338,712,821,760.00	141,670,994,404,169,356,410,880.00
22219920	Upgradable to 128TB RAM	566,683,977,616,677,425,643,520.00	566,683,977,616,677,425,643,520.00	283,341,988,808,338,712,821,760.00
22219920	Upgradable to 256TB RAM	1,133,367,955,233,354,851,287,040.00	1,133,367,955,233,354,851,287,040.00	566,683,977,616,677,425,643,520.00
22219920	Upgradable to 512TB RAM	2,266,735,910,466,709,702,574,080.00	2,266,735,910,466,709,702,574,080.00	1,133,367,955,233,354,851,287,040.00
22219920	Upgradable to 1TB RAM	4,533,471,820,933,419,405,148,160.00	4,533,471,820,933,419,405,148,160.00	2,266,735,910,466,709,702,574,080.00
22219920	Upgradable to 2TB RAM	9,066,943,641,866,838,810,296,320.00	9,066,943,641,866,838,810,296,320.00	4,533,471,820,933,419,405,148,160.00
22219920	Upgradable to 4TB RAM	18,133,887,283,733,677,620,592,640.00	18,133,887,283,733,677,620,592,640.00	9,066,943,641,866,838,810,296,320.00
22219920	Upgradable to 8TB RAM	36,267,774,567,467,355,241,185,280.00	36,267,774,567,467,355,241,185,280.00	18,133,887,283,733,677,620,592,640.00
22219920	Upgradable to 16TB RAM	72,535,549,134,934,710,482,370,560.00	72,535,549,134,934,710,482,370,560.00	36,267,774,567,467,355,241,185,280.00
22219920	Upgradable to 32TB RAM	145,071,098,269,869,420,964,741,120.00	145,071,098,269,869,420,964,741,120.00	72,535,549,134,934,710,482,370,560.00
22219920	Upgradable to 64TB RAM	290,142,196,539,738,841,929,482,240.00	290,142,196,539,738,841,929,482,240.00	145,071,098,269,869,420,964,741,120.00
22219920	Upgradable to 128TB RAM	580,284,393,079,477,683,858,964,480.00	580,284,393,079,477,683,858,964,480.00	290,142,196,539,738,841,929,482,240.00
22219920	Upgradable to 256TB RAM	1,160,568,786,158,955,367,717,928,960.00	1,160,568,786,158,955,367,717,928,960.00	580,284,393,079,477,683,858,964,480.00
22219920	Upgradable to 512TB RAM	2,321,137,572,317,910,735,435,857,920.00	2,321,137,572,317,910,735,435,857,920.00	1,160,568,786,158,955,367,717,928,960.00
22219920	Upgradable to 1TB RAM	4,642,275,144,635,821,470,871,715,840.00	4,642,275,144,635,821,470,871,715,840.00	2,321,137,572,317,910,735,435,857,920.00
22219920	Upgradable to 2TB RAM	9,284,550,289,271,642,941,743,431,680.00	9,284,550,289,271,642,941,743,431,680.00	4,642,275,144,635,821,470,871,715,840.00
22219920	Upgradable to 4TB RAM	18,569,100,578,543,285,883,486,863,360.00	18,569,100,578,543,285,883,486,863,360.00	9,284,550,289,271,642,941,743,431,680.00
22219920	Upgradable to 8TB RAM	37,138,201,157,086,571,766,973,726,720.00	37,138,201,157,086,571,766,973,726,720.00	18,569,100,578,543,285,883,486,863,360.00
22219920	Upgradable to 16TB RAM	74,276,402,314,173,143,533,947,453,440.00	74,276,402,314,173,143,533,947,453,440.00	37,138,201,157,086,571,766,973,726,720.00
22219920	Upgradable to 32TB RAM	148,552,804,628,346,287,067,894,906,880.00	148,552,804,628,346,287,067,894,906,880.00	74,276,402,314,173,143,533,947,453,440.00
22219920	Upgradable to 64TB RAM	297,105,609,256,692,574,135,789,813,760.00	297,105,609,256,692,574,135,789,813,760.00	148,552,804,628,346,287,067,894,906,880.00
22219920	Upgradable to 128TB RAM	594,211,218,513,385,148,271,579,627,520.00	594,211,218,513,385,148,271,579,627,520.00	297,105,609,256,692,574,135,789,813,760.00
22219920	Upgradable to 256TB RAM	1,188,422,437,026,770,296,543,159,255,040.00	1,188,422,437,026,770,296,543,159,255,040.00	594,211,218,513,385,148,271,579,627,520.00
22219920	Upgradable to 512TB RAM	2,376,844,874,053,540,593,086,318,510,080.00	2,376,844,874,053,540,593,086,318,510,080.00	1,188,422,437,026,770,296,543,159,255,040.00
22219920	Upgradable to 1TB RAM	4,753,689,748,107,081,186,172,637,020,160.00	4,753,689,748,107,081,186,172,637,020,160.00	2,376,844,874,053,540,593,086,318,510,080.00
22219920	Upgradable to 2TB RAM	9,507,379,496,214,162,372,345,264,040,320.00	9,507,379,496,214,162,372,345,264,040,320.00	4,753,689,748,107,081,186,172,637,020,160.00
22219920	Upgradable to 4TB RAM	19,014,758,992,428,324,744,690,528,080,640.00	19,014,758,992,428,324,744,690,528,080,640.00	9,507,379,496,214,162,372,345,264,040,320.00
22219920	Upgradable to 8TB RAM	38,029,517,984,856,649,489,381,056,161,280.00	38,029,517,984,856,649,489,381,056,161,280.00	19,014,758,992,428,324,744,690,528,080,640.00
22219920	Upgradable to 16TB RAM	76,059,035,969,713,298,978,762,112,322,560.00	76,059,035,969,713,298,978,762,112,322,560.00	38,029,517,984,856,649,489,381,056,161,280.00
22219920	Upgradable to 32TB RAM			