ROCCAT Vulcan II

ROCCAT Vulcan II Gaming Keyboard User Manual

1. Introduction

The ROCCAT Vulcan II is a full-size wired mechanical gaming keyboard designed for high performance and customization. It features TITAN II mechanical switches, advanced lighting, and programmable functions to enhance your gaming and typing experience. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your keyboard.

Image 1: ROCCAT Vulcan II Gaming Keyboard Overview

2. Setup

2.1 Package Contents

- ROCCAT Vulcan II Gaming Keyboard
- Detachable Palm Rest
- USB-A Cable (1.8m braided)
- Quick Start Guide (not included in this digital manual)

2.2 Connecting the Keyboard

1. Connect the USB-A cable from the keyboard to an available USB-A port on your computer.
2. The keyboard will automatically be detected and basic functionality will be available.

2.3 Attaching the Palm Rest

The included palm rest can be magnetically attached to the front edge of the keyboard for added comfort during use. Align the palm rest with the front of the keyboard until the magnets engage.

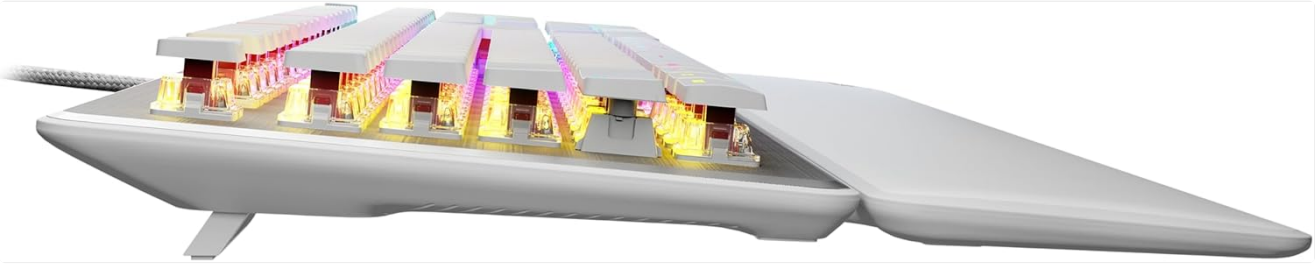

Image 2: Keyboard with Palm Rest and Extended Feet

2.4 Software Installation (ROCCAT SWARM)

To unlock the full potential of your Vulcan II keyboard, including advanced customization, lighting effects, and macro programming, download and install the ROCCAT SWARM software from the official ROCCAT website. Follow the on-screen instructions for installation and driver updates.

3. Operating Instructions

3.1 TITAN II Mechanical Switches

The Vulcan II features TITAN II Red mechanical switches, offering a smooth, linear feel with low resistance. These switches are optimized for competitive gaming and provide a fast actuation point of 1.4mm and a total travel distance of 3.6mm. They are tested for over 80 million keystrokes for durability.

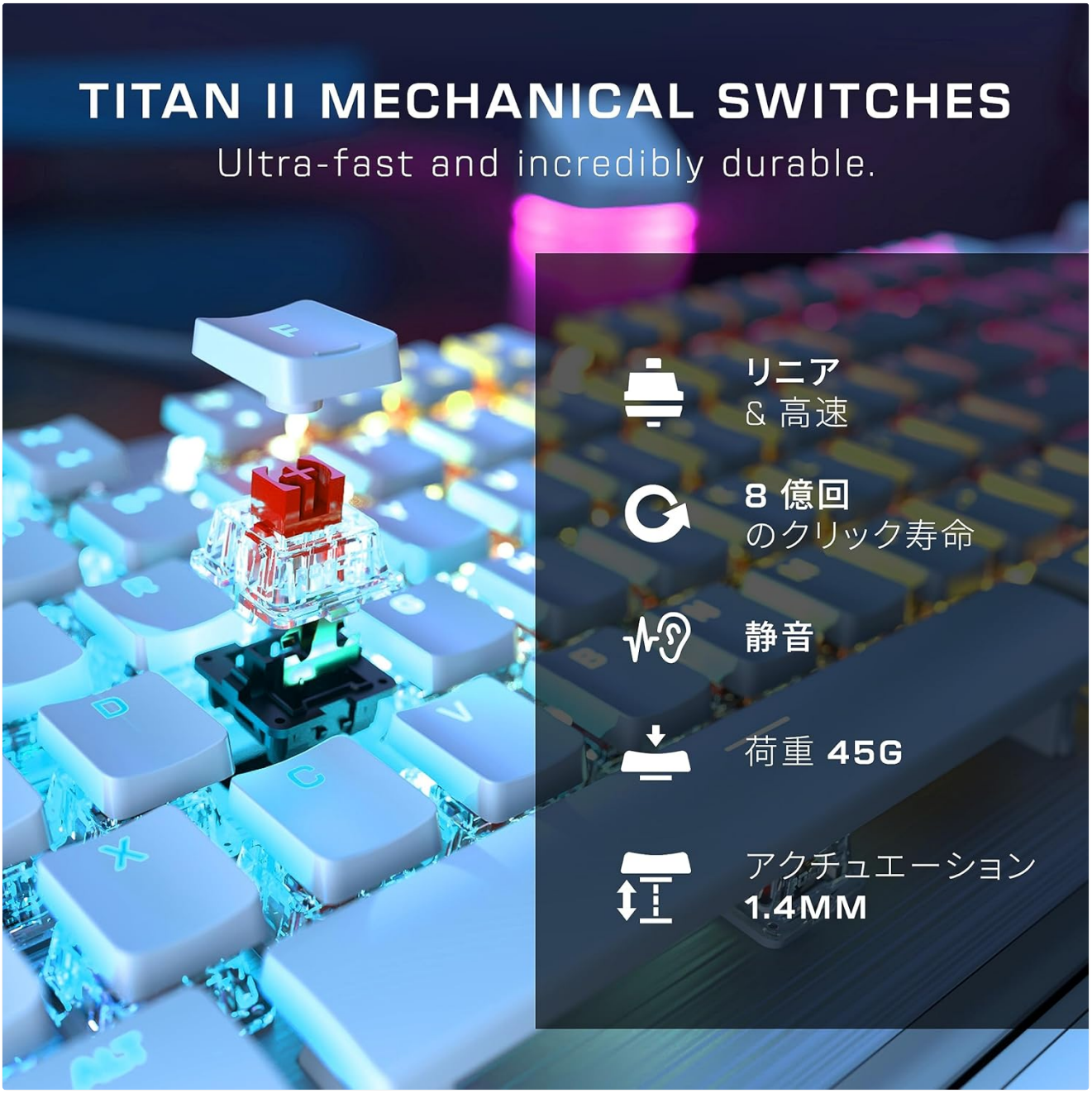

Image 3: TITAN II Mechanical Switch Detail

3.2 Easy-Shift[+]™ Functionality

The Easy-Shift[+]™ technology allows you to assign a secondary function to compatible keys. By holding down the Easy-Shift[+] key (typically Caps Lock by default, but customizable), you can access a second layer of commands, effectively doubling the functionality of your keyboard keys. This feature is programmable via the ROCCAT SWARM software.

Image 4: Easy-Shift[+]™ Key Layer

3.3 Dedicated Media Controls

The Vulcan II includes a full set of media keys and a push-to-mute volume knob, providing convenient control over your audio and media playback without interrupting your game or workflow. These controls are located in the upper right corner of the keyboard.

Image 5: Dedicated Media Controls

3.4 RGB Illumination (AIMO™ Lighting)

Experience vibrant, per-key RGB illumination with AIMO™ lighting technology. The transparent switch housing enhances the lighting effects. AIMO lighting can synchronize with other AIMO-compatible ROCCAT products and is fully customizable through the SWARM software.

Image 6: AIMO™ RGB Illumination

3.5 Customization and Onboard Profiles

The keyboard supports customization of lighting and key reassignments. Up to four user profiles can be stored directly on the keyboard's onboard memory, allowing you to switch between different configurations without software. The cross-stem design of the TITAN II switches also allows compatibility with many third-party keycaps for aesthetic customization.

Image 7: Keycap Customization

3.6 N-Key Rollover and Anti-Ghosting

The Vulcan II features full N-key rollover (NKRO) and anti-ghosting technology. This ensures that every keystroke is registered accurately, even when multiple keys are pressed simultaneously, preventing missed inputs during intense gaming sessions.

4. Maintenance

4.1 Cleaning the Keyboard

- Disconnect the keyboard from your computer before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the surface of the keyboard and keycaps.
- Avoid using harsh chemicals, abrasive cleaners, or solvents.
- For dust and debris between keys, use compressed air.

4.2 Palm Rest Care

The detachable palm rest can be cleaned with a soft, damp cloth. Ensure it is completely dry before reattaching to the keyboard.

5. Troubleshooting

5.1 Keyboard Not Responding

- Ensure the USB cable is securely connected to both the keyboard and the computer.
- Try connecting the keyboard to a different USB port on your computer.
- Restart your computer.
- Check if the keyboard is recognized in your computer's device manager.

5.2 Lighting Issues

- Ensure the ROCCAT SWARM software is installed and up to date.
- Check lighting settings within the SWARM software.
- Verify that the keyboard's firmware is updated to the latest version via SWARM.

5.3 Keys Not Registering Correctly

- Clean the affected key area using compressed air to remove any debris.
- Ensure the keycap is properly seated on the switch.
- If using custom keycaps, ensure they are compatible with cross-stem switches.
- Update keyboard drivers and firmware via ROCCAT SWARM.

6. Specifications

Feature	Detail
Form Factor	Full-size
Connectivity	USB-A Wired
Cable Length	1.8m Braided USB 2.0
Switches	TITAN II Mechanical Red (Linear)
Actuation Point	1.4mm
Travel Distance	3.6mm
Switch Lifetime	80 million keystrokes
Polling Rate	1000 Hz
Onboard Memory	4MB
Onboard Profiles	4
RGB Illumination	16.8 million colors, per-key RGB (AIMO™)
Key Rollover	Full N-key Rollover (NKRO) with Anti-Ghosting
Processor	32-bit ARM Cortex M0
Software	ROCCAT SWARM
Height Adjustment	Yes
Color	White
Weight (without palm rest)	949g
Weight (with palm rest)	1141.5g
Keyboard Dimensions	463 x 152 x 33 mm
Keyboard with Palm Rest Dimensions	463 x 236 x 33 mm

7. Warranty and Support

7.1 Warranty Information

Your ROCCAT Vulcan II Gaming Keyboard is covered by a 2-year warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For technical support, troubleshooting assistance, or warranty inquiries, please contact ROCCAT customer support. You can find contact information and additional resources on the official ROCCAT website: ROCCAT Support