ROCCAT ROC-12-940-BN

Roccat Vulcan 122 Mechanical Gaming Keyboard User Manual

Model: ROC-12-940-BN

1. INTRODUCTION

The Roccat Vulcan 122 is a high-performance mechanical gaming keyboard designed for precision and durability. It features Roccat's unique Titan switches, advanced AIMO RGB lighting, and a robust aluminum construction. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your keyboard.

Image: The Roccat Vulcan 122 keyboard shown with a Roccat mouse and headset, demonstrating its vivid, dynamic lighting synergy with AIMO.

Key Features:

- Unique design with lowered keycaps and reduced reaction time.
- RGB lighting with configurable LED effects and adjustable AIMO effects.
- High-quality and resistant design with robust materials and an anodized aluminum surface.
- Advanced anti-ghosting with N-Key Rollover (NKRO).
- Programmable macro keys and ROCCAT Easy-Shift[+].

2. SETUP

2.1 Connecting the Keyboard

To connect your Roccat Vulcan 122 keyboard:

1. Unpack the keyboard and its accessories.

2. Plug the USB connector from the keyboard into an available USB port on your computer.

3. The operating system will automatically detect and install the necessary drivers.
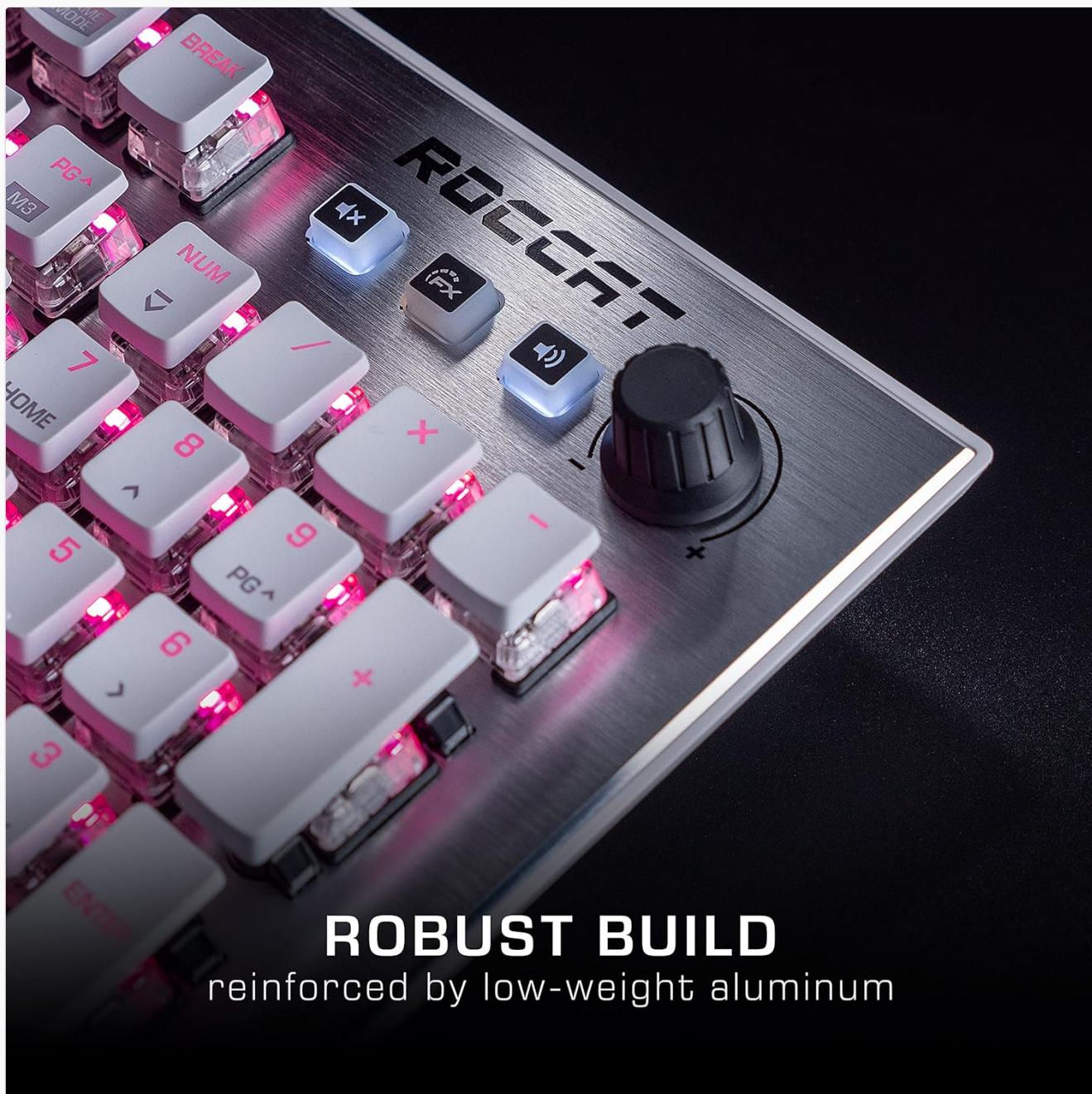
Image: The Roccat Vulcan 122 keyboard shown with its detachable wrist rest, ready for connection.

2.2 Software Installation (ROCCAT Swarm)

For full functionality and customization, install the ROCCAT Swarm software:

1. Visit the official ROCCAT website (www.roccat.com) and navigate to the support section.

2. Download the latest version of the ROCCAT Swarm software for your operating system.

3. Run the installer and follow the on-screen instructions.

4. After installation, launch ROCCAT Swarm to configure your keyboard settings, lighting, and macros.

3. OPERATING THE KEYBOARD

3.1 Standard Key Functions

The Vulcan 122 functions as a standard QWERTY keyboard. All alphanumeric keys, function keys (F1-F12), navigation keys, and the numeric keypad operate as expected.

3.2 Media Controls

The keyboard features dedicated media controls for convenient audio management.

- **Volume Knob:** Located in the upper right corner, rotate to adjust system volume.
- **Mute Button:** Press to mute/unmute audio.
- **FX Button:** Cycles through lighting effects or other programmable functions.

Image: A close-up view of the mixer-style media controls on the Roccat Vulcan 122, including the volume knob and dedicated function keys.

3.3 RGB Lighting Customization (AIMO)

The Vulcan 122 features advanced RGB lighting with Roccat's AIMO intelligent lighting system. Use the ROCCAT Swarm software to:

- Select from various pre-set lighting effects.
- Customize individual key illumination.
- Adjust brightness and speed of effects.
- Synchronize lighting with other AIMO-compatible devices.

3.4 Programmable Macro Keys and Easy-Shift[+]

The keyboard includes programmable macro keys and the Easy-Shift[+] function, allowing you to assign secondary functions to keys.

- Use the ROCCAT Swarm software to record and assign macros to designated keys.
- Easy-Shift[+] allows you to double the number of assignable functions by holding down the Easy-Shift[+] key (usually Caps Lock by default, configurable in Swarm) and pressing another key.

3.5 Anti-Ghosting with NKRO

The Vulcan 122 features advanced anti-ghosting technology with N-Key Rollover (NKRO), ensuring that every key press is registered accurately, even when multiple keys are pressed simultaneously.

Image: A hand demonstrating typing on the Roccat Vulcan 122 keyboard, emphasizing the ergonomic design of the keys for comfortable use.

4. MAINTENANCE

4.1 Cleaning the Keyboard

To ensure the longevity and optimal performance of your Vulcan 122 keyboard, regular cleaning is recommended.

1. Disconnect the keyboard from your computer before cleaning.
2. Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and surface. Avoid harsh chemicals.
3. For dust and debris between keys, use compressed air. The raised keycap design makes cleaning easier.
4. Ensure the keyboard is completely dry before reconnecting it.

EASY TO CLEAN KEYS
that resist dust & liquids
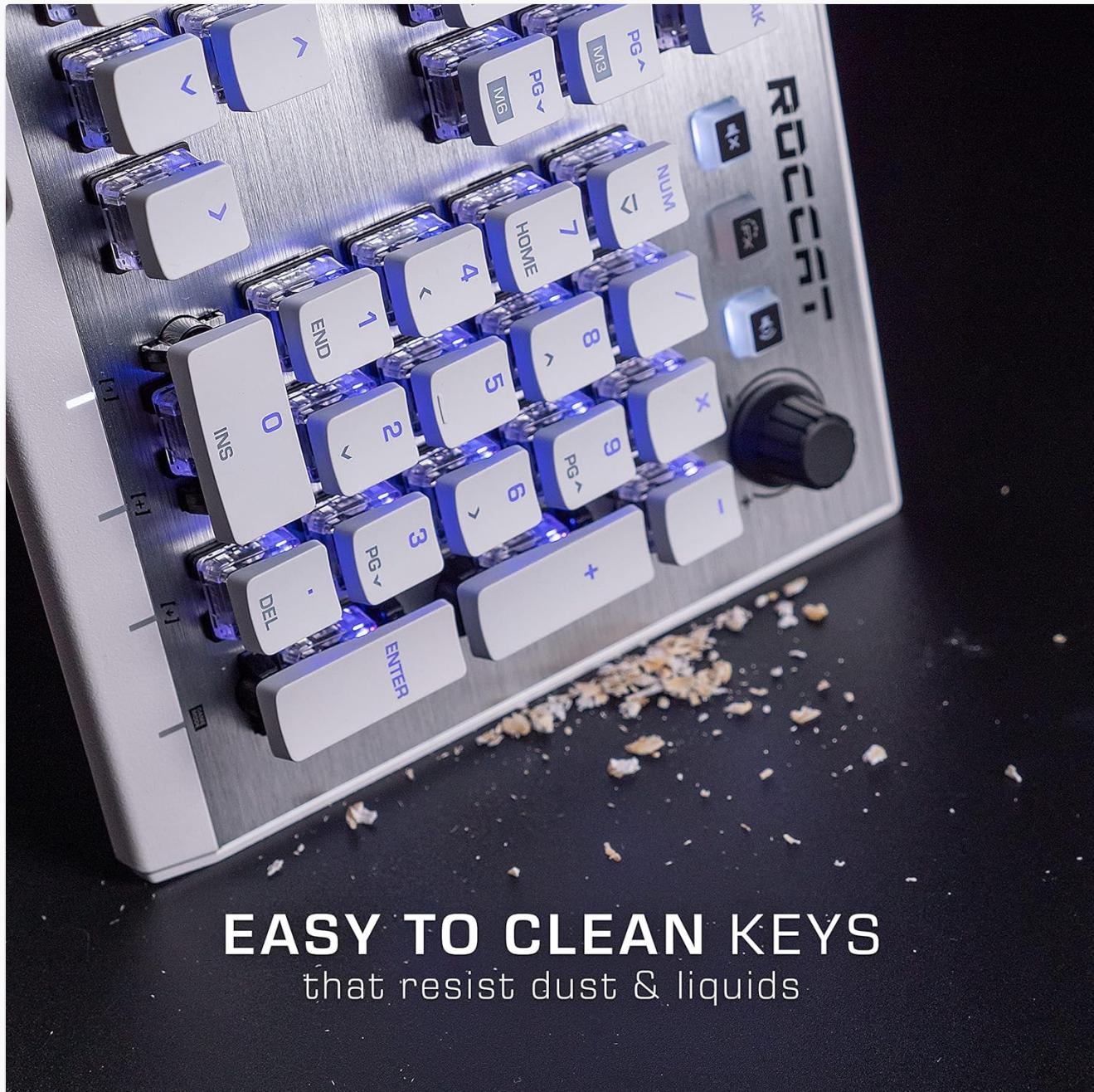
Image: A close-up of the Roccat Vulcan 122 keyboard keys, illustrating their design which facilitates easy cleaning and resistance to dust and liquids.

5. TROUBLESHOOTING

If you encounter issues with your Roccat Vulcan 122 keyboard, refer to the following common problems and solutions:

- **Keyboard not responding:**

    - Ensure the USB cable is securely connected to both the keyboard and the computer.
    - Try plugging the keyboard into a different USB port.
    - Restart your computer.
    - Check if the keyboard is disabled in your operating system's device manager.

- **RGB lighting not working or incorrect:**

    - Ensure the ROCCAT Swarm software is installed and up to date.
    - Check lighting settings within the Swarm software.
    - Perform a firmware update for the keyboard via Swarm.

- **Keys not registering or ghosting:**

    - Clean the affected keys as described in the Maintenance section.
    - Ensure the keyboard's firmware is up to date.
    - Test the keyboard on another computer to rule out system-specific issues.

- **ROCCAT Swarm software not detecting keyboard:**

    - Ensure the keyboard is properly connected.
    - Restart the Swarm software and your computer.
    - Reinstall the ROCCAT Swarm software.
    - Check for any conflicting software or drivers.

6. SPECIFICATIONS

Feature	Detail
Brand	ROCCAT
Model Name	Vulcan 122
Model Number	ROC-12-940-BN
Keyboard Description	Mechanical
Switch Type	Tactile
Material	Aluminum
Special Features	Backlighting
Compatible Devices	Laptop (PC)
Operating System Support	Windows 10, Windows 7, Windows 8
Product Dimensions	46.2 x 23.5 x 3.2 cm

| Item Weight | 1.15 kg |

Image: An exploded view diagram illustrating the components of a Roccat Titan Tactile mechanical switch, highlighting its design for swift and precise response.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

Your Roccat Vulcan 122 keyboard is covered by a manufacturer's warranty. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims. For detailed warranty information, refer to the warranty card included with your product or visit the official ROCCAT website.

7.2 Technical Support

For technical assistance, driver updates, or further inquiries, please visit the official ROCCAT support page: https://support.roccat.com/

You can find FAQs, troubleshooting guides, and contact information for customer service on their website.