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MOTOSPEED CK104

MOTOSPEED CK104 RGB LED Backlit Wired Mechanical Gaming Keyboard User Manual

Model: CK104

1. INTRODUCTION

This manual provides detailed instructions for the MOTOSPEED CK104 RGB LED Backlit Wired Mechanical Gaming Keyboard. Please read this manual thoroughly to ensure proper setup, operation, and maintenance of your keyboard. This keyboard is designed for durability and responsiveness, featuring 104 keys with Red mechanical switches.



Image 1.1: The MOTOSPEED CK104 RGB LED Backlit Wired Mechanical Gaming Keyboard.

2. PRODUCT OVERVIEW

The MOTOSPEED CK104 is a full-sized mechanical gaming keyboard featuring 104 keys, RGB LED backlighting, and durable Red mechanical switches. It is built with an aluminum base for enhanced stability and longevity.

Key Features:

- **104-Key Layout:** Standard full-size layout for comprehensive functionality.
- **Red Mechanical Switches:** Soft tactile switches designed for responsiveness and durability, tested for 50 million keystrokes.
- **RGB LED Backlighting:** Customizable lighting with multiple effects and color options.
- **Anti-Ghosting & N-Key Rollover:** Ensures all key presses are registered accurately, even during rapid input.
- **Durable Construction:** Features an aluminum base and double-shot injection molded keycaps.
- **Wired USB Connection:** Reliable and stable connection.



Image 2.1: Illustration of anti-ghosting technology ensuring accurate key registration.

All metal panel design

extreme durability ensures that players do whatever they would like



Image 2.2: The keyboard's metal panel design, contributing to its durability.



Image 2.3: Diagram illustrating the internal structure of a Red mechanical keyswitch.

3. SETUP INSTRUCTIONS

Connecting the Keyboard:

1. Locate an available USB port on your computer.
2. Plug the USB connector of the MOTOSPEED CK104 keyboard into the USB port.
3. The keyboard is plug-and-play; no additional drivers are typically required for basic functionality. Your operating system should automatically detect and install the necessary drivers.

Compatibility:

The MOTOSPEED CK104 keyboard is compatible with Windows Vista/7/8/10/11, Mac OS, and Linux operating systems.



Image 3.1: The USB connector for the keyboard.

4. OPERATING INSTRUCTIONS

RGB Backlight Control:

The CK104 keyboard features extensive RGB backlighting customization. Use the following key combinations to adjust the lighting effects:

- **FN + INS:** Cycle through 9 different stunning LED lighting effects.
- **FN + DEL:** Adjust other lighting parameters (specific effects may vary).
- **FN + Up/Down Arrow Keys:** Adjust backlight brightness.
- **FN + Left/Right Arrow Keys:** Adjust lighting effect direction or speed.
- **Customization:** The keyboard supports 5 different game modes where players can customize individual backlight colors.



Image 4.1: The keyboard showcasing its customizable RGB backlight.



Image 4.2: A close-up view of the RGB illuminated keys.

Multimedia Shortcut Functions:

The keyboard includes 11 combination multimedia shortcut functions. These are typically accessed by holding the **FN** key and pressing the corresponding function key (F1-F12 or other designated keys). Refer to the keycap legends for specific functions.

WIN Key Lock Function:

To prevent accidental interruptions during gaming, the keyboard supports locking the Windows key. This function is usually toggled by pressing **FN + WIN** key. An LED indicator may show the status of the WIN key lock.

Software for Customization:

The MOTOSPEED CK104 is fully programmable, allowing for macro settings and advanced lighting design through dedicated software. Please visit the official MOTOSPEED website for software downloads and instructions.



Image 4.3: Example of the keyboard's software interface for programming and lighting customization.

5. MAINTENANCE

Proper maintenance ensures the longevity and performance of your keyboard.

- **Cleaning:** Regularly clean the keyboard with a soft, dry cloth. For deeper cleaning, use compressed air to remove dust and debris from between the keycaps. You may carefully remove keycaps for thorough cleaning, but ensure to reattach them correctly.
- **Avoid Liquids:** Do not expose the keyboard to liquids. In case of spills, immediately disconnect the

keyboard and allow it to dry completely before reconnecting.

- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your MOTOSPEED CK104 keyboard, refer to the following common troubleshooting steps:

- **Keyboard Not Responding:**

- Ensure the USB cable is securely plugged into both the keyboard and the computer.
- Try plugging the keyboard into a different USB port on your computer.
- Test the keyboard on another computer to determine if the issue is with the keyboard or the computer.

- **Backlighting Not Working or Incorrect:**

- Check if the backlight brightness is turned down (FN + Down Arrow).
- Cycle through lighting modes using FN + INS to see if it restores functionality.
- Ensure no software conflicts are present if using custom lighting profiles.

- **Specific Keys Not Working:**

- Clean around the affected key to remove any debris.
- If the keyboard is hot-swappable, consider carefully removing and re-seating the switch for the non-functional key.

- **Input Lag or Ghosting:**

- Ensure your computer's USB drivers are up to date.
- Avoid connecting the keyboard through unpowered USB hubs.

If the problem persists after attempting these steps, please contact MOTOSPEED customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Model Number	MSCK104-red-US
Keys	104 Keys
Switch Type	Red Mechanical Switches
Connectivity	Wired USB
Backlighting	RGB LED (9 lighting effects, 5 game modes)
Material	Aluminum (Base)
Dimensions	18.5 x 6.5 x 3 inches (Package)
Item Weight	2.29 pounds

Compatibility	Windows Vista/7/8/10/11, Mac OS, Linux
Special Features	Backlit, Ergonomic, Anti-Ghosting, N-Key Rollover



Image 7.1: Comparison table of various MOTOSPEED keyboard models, including the CK104.

8. WARRANTY AND SUPPORT

MOTOSPEED products are covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official MOTOSPEED website. If you require technical support or have questions regarding your CK104 keyboard, please contact MOTOSPEED customer service through their official channels.

Website: [MOTOSPEED Official Store on Amazon](#)