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ONIKUMA G52

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ONIKUMA G52 Mechanical Keyboard User Manual

Model: G52 | Brand: ONIKUMA

1. Introduction

The ONIKUMA G52 is a high-performance 75% layout mechanical keyboard designed for both gaming enthusiasts and office professionals. It features a compact 82-key design, hot-swappable switches, customizable RGB lighting, and durable construction to provide a superior typing and gaming experience.



Figure 1: ONIKUMA G52 Mechanical Keyboard (Light Blue Variant)

2. Key Features

- **75% Space-Efficient Layout:** An 82-key design that retains essential keys like arrow keys, navigation cluster, and F-keys while saving desk space compared to full-size keyboards.
- **Hot-Swappable Switches:** Equipped with pre-installed Brown tactile switches, the keyboard supports 3-pin/5-pin MX-style switch replacement without soldering, allowing for personalized typing feel.

- **Vibrant Per-Key RGB Backlighting:** Offers 16.8 million color customization options and over 15 dynamic lighting effects to enhance your setup.
- **Durable PBT Double-Shot Keycaps:** UV-coated PBT keycaps resist shine, oil, and fading, ensuring long-lasting legends and a premium feel.
- **OEM Profile Ergonomics:** Sculpted keycap design follows natural finger curves, complemented by 2-stage adjustable feet (6°/9° tilt) for comfortable use.
- **Anti-Ghosting N-Key Rollover (NKRO):** Ensures every keystroke is registered accurately, even during rapid, simultaneous key presses.
- **Wired USB Connectivity:** Provides a stable, lag-free 1000Hz polling rate connection via a 1.8m braided USB-C cable.

Item Pictures

Figure 2: 75% Layout vs. Full-Size Keyboard Comparison

3. Package Contents

Please check the package for the following items:

- 1 x ONIKUMA G52 Mechanical Keyboard
- 1 x User Manual

4. Specifications

Feature	Detail
Brand	ONIKUMA
Model	G52
Keyboard Type	Mechanical Keyboard
Layout	75% (82 Keys)
Connection Method	Wired (USB Interface)

Switch Type	Brown Switch (Hot-Swappable, 3-pin/5-pin MX-style)
Keycap Material	ABS (PBT Double-Shot, UV-coated)
Lighting Effect	RGB (Per-Key Customization, 15+ effects)
Keycap Language	English
Anti-Ghosting	Full N-Key Rollover
Compatible Systems	Windows, PC, Laptop, Others
Driver Software Support	No
Dimensions (L x W x H)	36 cm x 18 cm x 5 cm (approx.)
Weight	1000g (approx.)

5. Setup Guide

The ONIKUMA G52 keyboard is designed for plug-and-play functionality, requiring no additional driver software for basic operation.

1. **Unpack the Keyboard:** Carefully remove the keyboard and its accessories from the packaging.
2. **Connect to Computer:** Locate the USB-C end of the braided cable and plug it into the USB-C port on the keyboard. Connect the standard USB-A end of the cable to an available USB port on your PC or laptop.
3. **System Recognition:** Your operating system (e.g., Windows) should automatically detect and configure the keyboard. This may take a few moments.
4. **Adjust Ergonomics:** Utilize the 2-stage adjustable feet on the underside of the keyboard to set your preferred typing angle (6° or 9° tilt).



Figure 3: Keyboard connected to a desktop setup

6. Operating Instructions

6.1 RGB Lighting Control

The ONIKUMA G52 features dynamic RGB backlighting with multiple effects. Specific key combinations (often involving the 'Fn' key) are used to cycle through lighting modes, adjust brightness, and change speed. Refer to the keyboard's keycap legends for specific function key combinations, typically marked with lighting icons.

- **Changing Lighting Modes:** Typically Fn + a specific key (e.g., Fn + Ins, Fn + Home, Fn + PgUp, Fn + PgDn, Fn + Del, Fn + End) to cycle through various pre-programmed effects like wave, ripple, reactive, static, etc.
- **Adjusting Brightness:** Often Fn + Up/Down arrow keys.
- **Adjusting Speed/Direction:** Often Fn + Left/Right arrow keys.



Figure 4: RGB Lighting Effects in action

6.2 Hot-Swappable Switches

The G52 keyboard allows you to easily change mechanical switches without soldering. This enables customization of your typing experience.

1. **Remove Keycap:** Use a keycap puller (not included) to gently remove the desired keycap.
2. **Remove Switch:** Use a switch puller (not included) to carefully grip the top and bottom clips of the switch and pull it straight up.
3. **Insert New Switch:** Align the pins of the new 3-pin or 5-pin MX-style mechanical switch with the holes on the PCB. Gently push the switch down until it clicks into place. Ensure pins are not bent.
4. **Replace Keycap:** Press the keycap onto the new switch stem until it is secure.



Figure 5: Hot-Swappable Switch Mechanism

6.3 N-Key Rollover and Anti-Ghosting

The keyboard features Full N-Key Rollover (NKRO) and anti-ghosting technology. This means that every key press is registered independently and accurately, even when multiple keys are pressed simultaneously. This is particularly beneficial for fast-paced gaming and touch typing, preventing missed inputs or "ghost" presses.

7. Maintenance and Care

To ensure the longevity and optimal performance of your ONIKUMA G52 mechanical keyboard, follow these maintenance guidelines:

- **Regular Cleaning:** Use a soft brush or compressed air to remove dust and debris from between the keycaps.
- **Keycap Cleaning:** For deeper cleaning, keycaps can be removed (using a keycap puller) and washed with mild soap and water. Ensure they are completely dry before reattaching. The PBT keycaps are durable and resistant to oils.
- **Surface Cleaning:** Wipe the keyboard surface with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.
- **Cable Care:** Avoid sharp bends or excessive pulling on the USB cable to prevent damage.
- **Storage:** When not in use for extended periods, store the keyboard in a clean, dry environment away from direct sunlight and extreme temperatures.

8. Troubleshooting

If you encounter issues with your ONIKUMA G52 keyboard, please refer to the following common 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 on your computer.
  - Restart your computer.

- Test the keyboard on another computer if possible to rule out a system-specific issue.

- **Specific Keys Not Working:**
  - Remove the keycap and check for any debris obstructing the switch.
  - If using hot-swappable switches, gently remove and re-insert the switch to ensure it is properly seated.
  - If the issue persists, consider replacing the switch with a spare (if available) or another switch from a less-used key.
- **RGB Lighting Not Working/Incorrect:**
  - Ensure the keyboard is properly connected.
  - Cycle through RGB modes using the Fn key combinations to see if it responds.
  - If the lighting is stuck or behaving erratically, try unplugging and re-plugging the keyboard.
- **Ghosting or Missed Key Presses:**
  - While the keyboard features NKRO, ensure no software conflicts or system issues are interfering.
  - Ensure the USB connection is stable.

9. User Tips

No specific user tips were available from reviews or Q&A. However, here are some general tips for mechanical keyboard users:

- Experiment with different RGB lighting modes to find your preferred aesthetic.
- If you desire a different typing feel, explore compatible 3-pin or 5-pin MX-style mechanical switches to take advantage of the hot-swappable feature.
- Regularly clean your keyboard to prevent dust and debris from affecting switch performance.

10. Warranty and Support