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> NPET CR87 75% Mechanical Gaming Keyboard User Manual

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Model: CR87

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1. SETUP

1.1 Package Contents

- NPET CR87 Mechanical Gaming Keyboard
- USB Type-C Cable
- Keycap Puller
- 3 x Red Switches (Spare)



Image: Included accessories for the NPET CR87 keyboard, featuring the USB Type-C cable, keycap puller, and three spare red switches.

1.2 Connecting the Keyboard

1. Locate the USB Type-C port on the back of the NPET CR87 keyboard.
2. Insert the smaller end of the provided USB Type-C cable into the keyboard's port.
3. Insert the larger USB-A end of the cable into an available USB port on your computer (PC, Laptop, Gaming Console).

4. The keyboard is plug-and-play and should be automatically recognized by your operating system. No additional drivers are typically required.

1.3 Compatibility

The NPET CR87 keyboard is compatible with various operating systems, including Windows (2000, XP, ME, Vista, 7, 8), Linux, and Mac.

2. OPERATION

2.1 Keyboard Layout and Anti-Ghosting

The NPET CR87 features an 87-key Tenkeyless (TKL) QWERTY layout. It supports 100% full-keys anti-ghosting, ensuring that every key press is registered accurately, even during simultaneous inputs.

2.2 Hot-Swappable Switches

The keyboard is equipped with hot-swappable sockets, allowing for easy replacement of 3-pin mechanical switches without soldering. The keyboard comes with quiet linear red switches installed.

Hot-Swappable Switch

3pins Switches Available



Image: Detail of the hot-swappable switch design on the NPET CR87, illustrating the ease of switch replacement.

2.3 RGB Backlighting

The NPET CR87 features customizable RGB backlighting with over 19 backlight effects, special gaming modes, 3 adjustable brightness levels, and adjustable speed. These settings can typically be controlled using function key combinations (e.g., Fn + specific keys).

20+ RGB Backlight

Stage With Lighting Bar



Image: The NPET CR87 keyboard displaying its dynamic RGB backlighting.

2.4 Keycaps

The keyboard utilizes double-shot ABS keycaps, designed for durability and consistent legend visibility.

Double-shot ABS Keycaps



Image: Detail of the double-shot ABS keycaps on the NPET CR87 keyboard.

3. MAINTENANCE

3.1 Cleaning the Keyboard

- Disconnect the keyboard from your computer before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a mild cleaning solution to wipe down the keycaps and frame.

- For dust and debris between keys, use compressed air.
- To clean under the keycaps, use the provided keycap puller to carefully remove keycaps. Clean the exposed switches and plate, then reattach keycaps, ensuring they are pressed down firmly.

3.2 Replacing Switches

If a switch becomes faulty or you wish to change switch types:

1. Use the keycap puller to gently remove the keycap from the desired switch.
2. Use a switch puller (not included, but often bundled with custom switches) to carefully grip the top and bottom clips of the switch and pull it straight up from the PCB.
3. Align the pins of the new 3-pin switch with the holes on the PCB.
4. Gently press the new switch into place until it clicks securely. Ensure the pins are not bent.
5. Reattach the keycap.

4. TROUBLESHOOTING

4.1 Keyboard Not Responding

- **Check Cable Connection:** Ensure the USB Type-C cable is securely connected to both the keyboard and the computer. Try a different USB port on your computer.
- **Restart Computer:** A simple system restart can often resolve connectivity issues.
- **Test on Another Device:** Connect the keyboard to another computer or compatible device to determine if the issue is with the keyboard or the original computer.

4.2 Backlighting Not Working or Incorrect

- **Check Brightness Settings:** Ensure the backlight brightness is not set to the lowest level or turned off via keyboard shortcuts (e.g., Fn + arrow keys or other designated keys).
- **Cycle Effects:** Try cycling through different RGB effects to see if the backlighting responds.

4.3 Specific Keys Not Registering

- **Clean Key/Switch:** Remove the keycap and inspect the switch for any debris. Use compressed air to clean around the switch.
- **Replace Switch:** If cleaning does not resolve the issue, the switch itself may be faulty. Replace it with one of the spare switches provided or a new compatible 3-pin switch.

5. SPECIFICATIONS

Brand	NPET
Model	CR87
Connectivity	USB Type-C Wired
Switch Type	Hot-swappable Red Switches (3-pin)
Key Count	87 Keys

Keyboard Layout	Tenkeyless (TKL), QWERTY
Backlighting	RGB (19+ effects, 3 brightness levels, adjustable speed)
Anti-Ghosting	100% Full-Keys
Keycaps	Double-shot ABS
Compatible Devices	Laptop, Gaming Console, PC
Operating System	Windows (2000, XP, ME, Vista, 7, 8), Linux, Mac
Dimensions (Approx.)	17.24 inches (Length) x 4.96 inches (Width)
Included Accessories	USB Type-C Cable, Keycap Puller, 3 x Red Switches



Image: Dimensional overview of the NPET CR87 keyboard.

6. WARRANTY & SUPPORT

6.1 Warranty Information

This product comes with a 7-day warranty from the date of purchase. Please retain your proof of purchase for any warranty claims.

6.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact NPET customer support through their official website or the retailer where the product was purchased.