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## HUO JI Z88RGB81ProB-cr

# Z-88 PRO RGB Mechanical Gaming Keyboard User Manual

Model: Z88RGB81ProB-cr | Brand: HUO JI

## INTRODUCTION

The HUO JI Z-88 PRO RGB Mechanical Gaming Keyboard is a compact and robust input device designed for both gaming enthusiasts and general users. Featuring 81 keys with hot-swappable Outemu Blue switches, it offers a tactile and audible typing experience. The keyboard boasts vibrant RGB backlighting with 14 preset modes, N-key rollover for anti-ghosting, and a water-resistant design for enhanced durability. Its compact 60% layout saves desk space while retaining essential functionality through convenient Fn key shortcuts.



Image: Z-88 PRO RGB Mechanical Gaming Keyboard. This image displays the keyboard with its white keycaps and vibrant RGB backlighting, highlighting its compact layout and key legends.

## KEY FEATURES

- **Outemu Hot Swappable Blue Switches:** Custom mechanical switches designed for longevity, responsiveness, and durability, offering a tactile and audible click. Includes 5 spare switches for replacement.
- **Anti-ghosting 81 Keys, N-key rollover:** Allows multi-keys to work simultaneously with high speed, ensuring accurate registration of every keystroke.
- **Preset 14-mode RGB Backlighting:** Double-shot injection molded keycaps provide crystal clear backlighting with various dynamic and static lighting effects.
- **Durability and Wide Compatibility:** Constructed from top ABS and metal material with a matte-finish texture and gold-plated USB connector. Compatible with Windows 10/8/7/XP/VISTA, Mac OS X, and Linux.
- **Key Shortcuts and Ergonomical Design:** Convenient Multi-media Keys (Fn+F1~F12) and Windows Key lock for gaming, enhancing user experience.

## SETUP GUIDE

### Package Contents

- Z-88 PRO RGB Mechanical Gaming Keyboard
- USB Cable
- User Manual
- Keycap Puller
- Switch Puller
- 5 Spare Outemu Blue Switches

### System Requirements

- Operating System: Windows 10, Windows 8, Windows 7, Windows XP, Windows VISTA, Mac OS X, Linux
- Available USB Port

### Connection

1. Unpack the keyboard and all accessories from the packaging.
2. Connect the USB cable from the keyboard to an available USB port on your computer.
3. The operating system will automatically detect and install the necessary drivers.
4. The keyboard's RGB backlighting will illuminate upon successful connection, indicating it is ready for use.

## OPERATION

### Basic Keyboard Functions

The Z-88 PRO functions as a standard 81-key keyboard for all typing and input tasks.

### RGB Backlighting Control

- **Fn + Insert:** Cycle through 14 preset RGB lighting modes.
- **Fn + Home:** Adjust backlight brightness (typically 5 levels).
- **Fn + PgUp:** Adjust backlight speed (for dynamic modes).
- **Fn + Del:** Change backlight color for static modes.
- **Fn + End:** Turn backlighting On/Off.
- **Fn + PgDn:** Restore default lighting settings.

### Multimedia and Shortcut Keys

Utilize the Function (Fn) key in combination with the F1-F12 keys for quick access to multimedia controls and system shortcuts:

- **Fn + F1:** My Computer
- **Fn + F2:** Web Browser
- **Fn + F3:** Calculator
- **Fn + F4:** Media Player
- **Fn + F5:** Previous Track
- **Fn + F6:** Next Track
- **Fn + F7:** Play/Pause
- **Fn + F8:** Stop
- **Fn + F9:** Mute
- **Fn + F10:** Volume Down
- **Fn + F11:** Volume Up
- **Fn + F12:** Email
- **Fn + Win:** Lock/Unlock Windows key (prevents accidental presses during gaming).

## Anti-Ghosting and N-Key Rollover

The Z-88 PRO keyboard supports N-key rollover, meaning all 81 keys can be pressed simultaneously and registered accurately. This feature prevents "ghosting" or missed key presses, which is crucial for fast-paced gaming and ensures every command is executed precisely.

## MAINTENANCE

### Cleaning

- Disconnect the keyboard from your computer before cleaning.
- Use the provided keycap puller to carefully remove keycaps for thorough cleaning.
- Use compressed air to remove dust and debris from between the keys and under the keycaps.
- Wipe keycaps and the keyboard surface with a soft, slightly damp cloth. Avoid using harsh chemicals or abrasive materials.
- Ensure the keyboard is completely dry before reconnecting it to your computer.

### Switch Replacement

The Z-88 PRO features hot-swappable switches, allowing for easy replacement without soldering:

1. Use the provided switch puller to carefully grip and pull the faulty switch straight up from the PCB.
2. Align the pins of the new switch (from the spare switches provided) with the corresponding holes on the PCB.
3. Gently press the new switch into place until it clicks securely. Ensure it is seated correctly and functions before replacing the keycap.

### Water Resistance

While the keyboard is designed to be water-resistant, avoid submerging it or exposing it to excessive liquids. In case of spills, immediately disconnect the keyboard from your computer and allow it to dry completely in a well-ventilated area before re-use.

## TROUBLESHOOTING

- **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.
  - Test the keyboard on another computer to determine if the issue is with the keyboard or your system.
- **Backlighting Not Working/Incorrect:**
  - Ensure backlighting is not turned off (press **Fn + End**).

- Adjust brightness (press **Fn + Home**).
- Reset lighting settings (press **Fn + PgDn**).
- Check for any software or driver updates for your operating system.
- **Specific Keys Not Registering:**
  - If a specific key is not working, it might be a faulty switch. Use the provided switch puller to replace the switch with one of the spare switches.
  - Ensure the keycap is properly seated on the switch stem.
- **Windows Key Locked:**
  - Press **Fn + Win** to toggle the Windows key lock feature.

## SPECIFICATIONS

Feature	Detail
Brand	HUO JI
Model	Z88RGB81ProB-cr
Connectivity	Wired USB
Key Layout	81 Keys (60% Compact)
Switch Type	Outemu Hot-Swappable Blue Mechanical Switches
Backlighting	RGB, 14 Preset Modes
N-Key Rollover	Yes
Anti-Ghosting	Yes
Material	ABS and Metal
Dimensions	30.99 x 12.29 x 3.56 cm
Weight	725.75 g
Compatibility	Windows 10/8/7/XP/VISTA, Mac OS X, Linux
Special Features	Water Resistant, Multimedia Keys, Windows Key Lock

## WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For warranty claims, technical support, or further assistance, please refer to the contact information provided on the product packaging or visit the official HUO JI website for the most up-to-date support resources.