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Machenike K500A-B84

Machenike K500A-B84 75% Compact Mechanical Gaming Keyboard User Manual

INTRODUCTION

This manual provides comprehensive instructions for the Machenike K500A-B84 75% Compact Mechanical Gaming Keyboard. It covers setup, operation, maintenance, and specifications to ensure optimal performance and user experience.



Image: The Machenike K500A-B84 keyboard, showcasing its compact 75% layout, rainbow LED backlighting, and the included red mechanical switches.

PRODUCT OVERVIEW AND FEATURES

The Machenike K500A-B84 is a 75% compact mechanical gaming keyboard designed for both gaming and productivity. It features a durable construction and customizable options.

- **Mechanical Red Switches:** Provides a linear and smooth typing experience, ideal for gaming. The keyboard supports 3-pin hot-swappable switches, allowing for personalized switch changes.
- **RGB Backlight:** Features an adjustable LED backlit system with 11 different backlighting modes for a customizable visual experience.
- **Double-Shot PBT Keycaps:** Constructed from double-shot PBT material, these keycaps offer excellent durability and resistance to fading and scratches.
- **75% Compact Layout (84-Key):** This innovative layout retains essential function and number keys while saving approximately 20% of desktop space compared to traditional full-sized keyboards.
- **Detachable USB-C Cable:** Ensures a stable, lag-free wired connection and offers portability.
- **Ergonomic Design:** The staggered key design (original equipment height) enhances hand comfort during extended use.
- **Anti-Ghosting & N-Key Rollover:** Guarantees that all key presses are registered accurately, even during rapid input.
- **Adjustable Anti-Slip Feet:** Provides stability and allows for height adjustment.

Why Choose



Professional
Team



Dedicated
Customer Service



Environmental
Sustainability

Image: A visual summary highlighting the key features of the Machenike K500A-B84 keyboard, such as its 84-key layout, PBT keycaps, and hot-swappable switches.



Image: This diagram visually compares the compact 75% form factor (84 keys) of the K500A-B84 with a traditional 104-key full-sized keyboard, demonstrating the space-saving design.

SETUP

The Machenike K500A-B84 keyboard offers multiple connectivity options for versatile use.

Wired Connection

1. Locate the detachable USB-C cable included with your keyboard.
2. Connect the USB-C end of the cable to the port on the keyboard.
3. Connect the USB-A end of the cable to an available USB port on your computer or gaming console.
4. The keyboard should be automatically recognized and ready for use.

DETACHABLE CABLE FOR SEAMLESS GAMING

The USB wired connection ensures that it stays stable lag-free connected during gameplay .



Image: The keyboard connected via its detachable USB-C cable, illustrating the wired setup for stable and lag-free performance.

Wireless Connection (2.4G and Bluetooth)

The K500A-B84 also supports 2.4G wireless and Bluetooth connectivity. Refer to the specific instructions provided in the keyboard's packaging for detailed pairing procedures for these modes, as they typically involve a switch on the keyboard and pairing steps on your device.

OPERATING INSTRUCTIONS

Backlight Control

The keyboard features an adjustable LED backlight system with 11 different modes. Use the designated function keys (often combined with the 'Fn' key) to cycle through modes, adjust brightness, and change colors. Consult the keycap legends for specific combinations.

FEATURES

- K500A-B84 TKL -



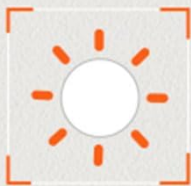
**Tenkeyless Form
Factor 84-Keys**



**PBT Double-shot
Keycaps**



**Detachable
Cable**



**LED
Backlight**



**Ergonomic
Design**



**Anti-ghost &
N-key Rollover**



**Adjustable
Anti-slip Feet**



**Hot-swappable
Support**



**Vibrant Collision
Color Design**

Image: A detailed view of the keyboard's keys illuminated with colorful LED backlighting, demonstrating the visual effects.

Hot-Swappable Switches

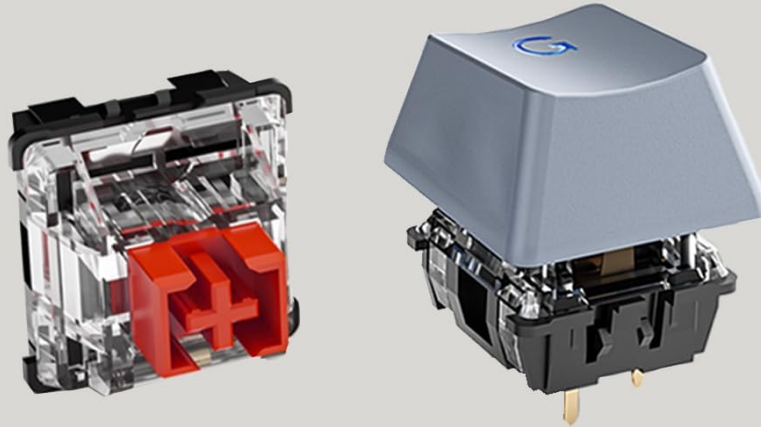
The K500A-B84 supports 3-pin hot-swappable mechanical switches. This allows you to easily remove and replace switches without soldering, customizing the typing feel to your preference. To change a switch:

1. Carefully remove the keycap using a keycap puller.
2. Use a switch puller to gently extract the switch from the PCB.
3. Align the pins of the new 3-pin switch with the holes on the PCB and press firmly until it clicks into place.
4. Replace the keycap.

HUANO® HOT-SWAPPABLE SWITCHES

QUICK, PRECISE EXECUTION

Choose between these switches that offer their own distinct feel—clicky , linear , tactile.



Red Switch

The Specifications

Actuation Force: 45g

Actuation Distance: 2.4mm

Travel Distance: 4.4mm

Image: A close-up of a red mechanical switch, demonstrating the modular design that allows for easy replacement and customization.

Customizable Features (Knob, Trigger, LED Screen)

The keyboard may include additional customizable elements such as a tactile knob for volume control, a customizable trigger button for specific functions (e.g., minimizing tasks), and an LED screen for displaying custom designs or presets. These features are typically managed through dedicated software available from the manufacturer's website. The software allows for extensive personalization of lighting effects, key assignments, and screen content.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your keyboard.

- **Cleaning Keycaps:** Regularly remove keycaps using a keycap puller and clean them with a mild soap solution and a soft cloth. Ensure they are completely dry before reattaching.
- **Cleaning the Keyboard Body:** Use a soft, dry cloth to wipe down the keyboard body. For dust between keys, use compressed air.

- **Switch Care:** If switches feel inconsistent, they can be carefully removed and cleaned or replaced due to the hot-swappable design.
- **Cable Management:** Avoid sharp bends or excessive pulling on the detachable USB-C cable to prevent damage.

TROUBLESHOOTING

If you encounter issues with your Machenike K500A-B84 keyboard, consider the following common solutions:

- **Keyboard Not Responding:**
 - Ensure the USB-C cable is securely connected to both the keyboard and the computer.
 - If using wireless, check the battery level and ensure the 2.4G dongle or Bluetooth connection is properly established.
 - Try connecting the keyboard to a different USB port or computer to rule out port or system issues.
- **Backlight Not Working:**
 - Check if the backlight is simply turned off. Use the designated function key combinations to toggle it on/off or adjust brightness.
 - Ensure the keyboard's software (if installed) is not overriding the hardware controls.
- **Keys Not Registering / Double Typing:**
 - Due to the hot-swappable nature, a switch might be improperly seated. Carefully remove the keycap and switch, then re-insert the switch firmly.
 - Clean around the affected switch to ensure no debris is interfering with its operation.
- **Software Issues:**
 - If experiencing issues with customization or advanced features, ensure you have the latest version of the Machenike keyboard software installed from their official website.
 - Restart your computer and the keyboard.

SPECIFICATIONS

Feature	Detail
Model Number	K500A-B84
Product Dimensions	1.4 x 4.86 x 12.23 inches
Item Weight	1.5 pounds
Manufacturer	MACHENIKE
Connectivity Technology	USB (Wired), 2.4G Wireless, Bluetooth
Keyboard Description	Mechanical
Recommended Uses	Gaming
Special Feature	Backlit, Hot-Swappable Switches

Feature	Detail
Keyboard Backlighting Color Support	RGB
Compatible Devices	Gaming Console, Laptop, PC
What's in the Box	USB Cable (and potentially other accessories like switch/keycap puller, extra switches, as per reviews)

WARRANTY AND SUPPORT



For warranty information and technical support, please refer to the documentation included with your product or visit the official Machenike website. Keep your proof of purchase for any warranty claims.



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Related Documents - K500A-B84

	<p>MACHENIKE K500-B84 Wired Mechanical Keyboard User Manual</p> <p>Comprehensive user manual for the MACHENIKE K500-B84 Wired Mechanical Keyboard, detailing installation, functions, lighting effects, gaming modes, and technical specifications.</p>
	<p>MACHENIKE K500-B61 Wired RGB Keyboard - User Manual</p> <p>Detailed information and specifications for the MACHENIKE K500-B61 Wired RGB mechanical keyboard, featuring 61 keys, ANSI layout, and customizable RGB lighting effects. Includes connectivity and usage guidelines.</p>
	<p>MACHENIKE K500-B94 Wired Mechanical Keyboard Product Manual</p> <p>Comprehensive product manual for the MACHENIKE K500-B94 Wired Mechanical Keyboard, detailing features, specifications, installation, functionality, lighting effects, game modes, multimedia functions, and included accessories. Learn about its ergonomic design, anti-ghosting, and RGB lighting.</p>
	<p>MACHENIKE G5Pro V2 Gamepad User Manual</p> <p>User manual and guide for the MACHENIKE G5Pro V2 Gamepad, covering setup, connection, compatibility, button layout, calibration, and maintenance for PC, Switch, and Android devices.</p>

	<p>Machenike KW75 Triple Mode Mechanical Keyboard User Manual</p> <p>User manual for the Machenike KW75 mechanical keyboard, detailing its triple connection modes (Bluetooth, 2.4G Wireless, Wired), dual OS support (Windows/Mac), RGB LED control, multimedia functions, and knob operation.</p>
	<p>MACHENIKE Gamepad HG510W&PRO Quick Start Guide</p> <p>Quick start guide for the MACHENIKE Gamepad HG510W&PRO, covering features, compatibility, connection methods, button layout, and extended functions for PC, Switch, iOS, and Android devices.</p>