

Machenike K500A-B84

Machenike K500A 75% Mechanical Keyboard User Manual

Model: K500A-B84

INTRODUCTION

The Machenike K500A is a compact 75% mechanical keyboard designed for gaming and general use. It features 84 keys, hot-swappable tactile brown switches, and vibrant Rainbow LED backlighting. The keyboard is built with durable double-shot PBT keycaps and connects via a wired USB connection, ensuring stable and lag-free performance.



Figure 1: Overview of the Machenike K500A 75% Mechanical Keyboard, showcasing its compact layout and vibrant LED backlighting.

SETUP GUIDE

Package Contents

- Machenike K500A Mechanical Keyboard
- USB Cable

Connecting the Keyboard

1. Locate the USB-C port on the back or side of the Machenike K500A keyboard.
2. Insert one end of the provided USB cable into the keyboard's USB-C port.

3. Insert the other end of the USB cable (USB-A) into an available USB port on your computer or gaming console.
4. The keyboard will be automatically recognized by your operating system. No additional drivers are typically required for basic functionality.

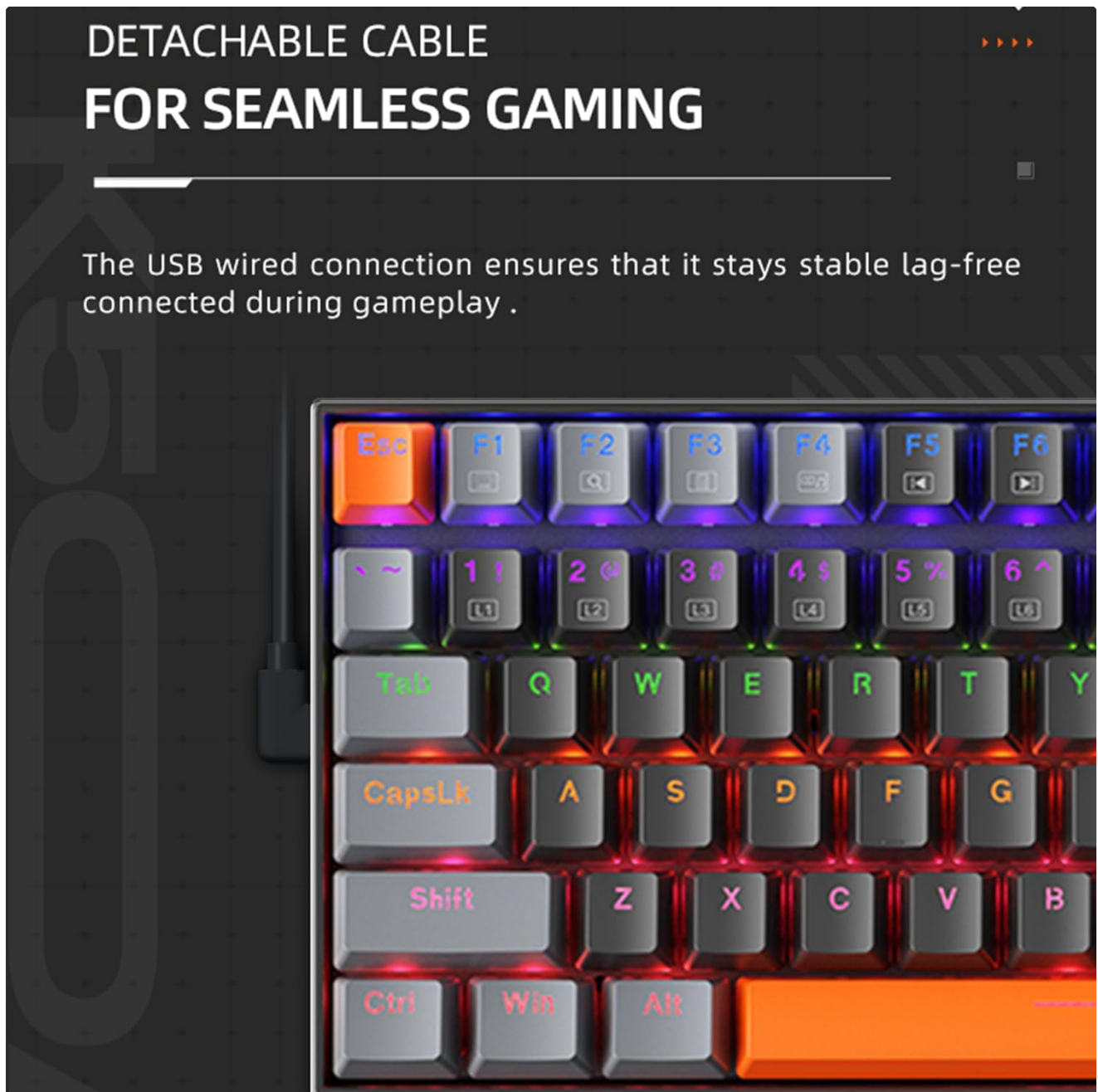


Figure 2: The detachable USB cable connection point on the keyboard, ensuring a secure and stable wired connection.

OPERATING INSTRUCTIONS

Key Layout and Functions

The Machenike K500A features an 84-key 75% compact layout, which includes function row keys (F1-F12), arrow keys, and essential navigation keys while saving desk space.

75% FORM FACTOR

COMPACT TENKEYLESS FORM FACTOR

space-saving, portable, ergonomic, customizable, and stylish.



Figure 3: The 75% compact tenkeyless form factor of the Machenike K500A, designed for space efficiency without sacrificing essential keys.

Hot-Swappable Switches

This keyboard is equipped with hot-swappable sockets, allowing users to change mechanical switches without soldering. The pre-installed switches are tactile brown switches, offering a balanced typing experience with a noticeable bump.

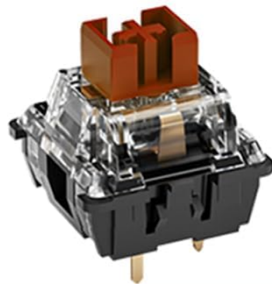
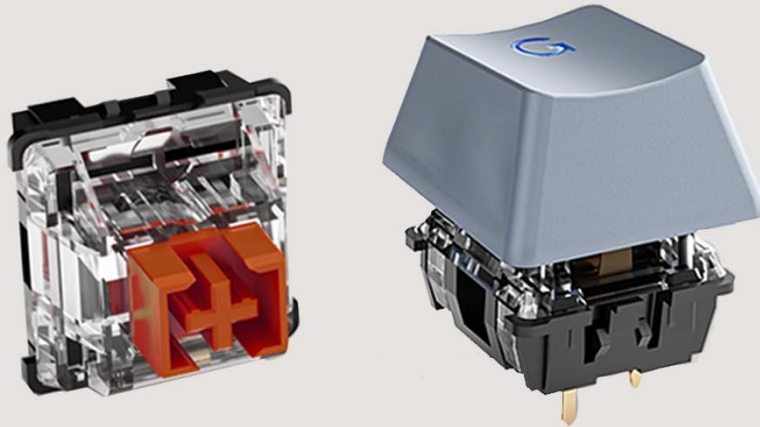
- **Brown Switch Specifications:**

- Actuation Force: 60g
- Actuation Distance: 2.4mm
- Travel Distance: 4.4mm

HUANO® HOT-SWAPPABLE SWITCHES

QUICK, PRECISE EXECUTION

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



Brown Switch

The Specifications

Actuation Force: 60g

Actuation Distance: 2.4mm

Travel Distance: 4.4mm

Figure 4: Detailed view of a hot-swappable mechanical switch and the specific characteristics of the pre-installed brown switches.

LED Backlight Control

The keyboard features Rainbow LED backlighting with 9 preset marquee lighting effects. Use the function keys (Fn) combined with specific keys to cycle through lighting modes and adjust brightness.

- **Fn + \ |**: Cycle through different lighting effects.
- **Fn + ↑**: Increase backlight brightness.
- **Fn + ↓**: Decrease backlight brightness.
- **Fn + ←**: Slow down lighting effect speed.
- **Fn + →**: Speed up lighting effect speed.

LED BACKLIGHT CAPTIVATING LED LIGHTING EFFECTS

Featuring 9 preset marquee lighting effects.



Figure 5: A close-up demonstrating the captivating LED lighting effects on the keyboard's keys.

Advanced Features

- **Anti-ghosting & N-key Rollover:** Ensures all key presses are registered accurately, even during rapid typing or complex gaming commands.
- **Adjustable Anti-slip Feet:** Provides stability and allows for ergonomic angle adjustment.
- **EVA Foam:** Integrated EVA foam helps reduce hollow sounds produced by the keyboard, improving typing acoustics.

MAINTENANCE

General Cleaning

- Disconnect the keyboard from your computer before cleaning.
- Use a can of compressed air to remove dust and debris from between the keycaps.
- Wipe the keycaps and keyboard surface with a soft, slightly damp cloth. Avoid excessive moisture.
- Do not use harsh chemicals or abrasive cleaners.

Keycap and Switch Removal (for Hot-Swappable Models)

- Use a keycap puller to gently remove keycaps. Pull straight up to avoid damaging the switch stem.
- Use a switch puller to remove switches. Insert the puller's prongs into the clips on the top and bottom of the switch, squeeze, and gently pull the switch straight up. Apply even pressure to avoid bending pins.
- When inserting new switches, align the pins carefully with the sockets and press down firmly until the switch clicks into place. Do not force switches if they do not align.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Keyboard not responding	Loose USB connection; Incorrect USB port; Driver issue.	Ensure USB cable is securely connected. Try a different USB port. Restart your computer.
LED backlight not working or inconsistent	Backlight turned off; Brightness set to minimum; Software conflict.	Press Fn + ↑ to increase brightness. Cycle through lighting modes using Fn + \ . Ensure no conflicting software is running.
Specific keys not working	Debris under keycap; Faulty switch; Keycap not seated properly.	Remove keycap and clean. If hot-swappable, try reseating or replacing the switch. Ensure keycap is pressed down fully.
Difficulty removing switches	Switches are tightly seated; Incorrect switch puller usage.	Ensure the switch puller is correctly engaging both clips of the switch. Apply firm, even pressure. Avoid excessive force to prevent damage.

SPECIFICATIONS

Feature	Detail
Model Number	K500A-B84
Dimensions (L x W x H)	12.23 x 4.86 x 1.4 inches (31.06 x 12.34 x 3.56 cm)
Item Weight	5 pounds (2.27 kg)
Connectivity	Wired USB
Key Layout	75% (84 Keys)
Switch Type	Hot-swappable Tactile Brown Switches
Keycap Material	Double-shot PBT
Backlight	Rainbow LED (9 preset effects)
Compatible Devices	PC, Gaming Console

Feature	Detail
Manufacturer	MACHENIKE
Special Features	Anti-ghosting, N-key Rollover, Adjustable Anti-slip Feet, EVA Foam

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Machenike website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Machenike Official Website: www.machenike.com