

Machenike K500-21

Machenike K500-B61 Mini Mechanical Keyboard User Manual

Model: K500-21

INTRODUCTION

This manual provides comprehensive instructions for the Machenike K500-B61 Mini Mechanical Keyboard. Designed for optimal gaming and typing performance, this 60% form factor keyboard offers a compact design, RGB backlighting, and hot-swappable switches. Please read this manual carefully to ensure proper setup, operation, and maintenance of your keyboard.



Figure 1: Overview of the Machenike K500-B61 Mini Mechanical Keyboard. This image displays the compact 60% layout with its distinctive keycap colors and RGB backlighting.

SETUP

The Machenike K500-B61 keyboard is designed for simple plug-and-play functionality, requiring no additional software for basic operation.

Connecting the Keyboard

1. Locate the USB-C port on the back of the keyboard.
2. Connect the provided USB-C to USB-A cable to the keyboard's USB-C port.
3. Plug the USB-A end of the cable into an available USB port on your computer.
4. The keyboard will be automatically recognized by your operating system.

PARA JOGOS PERFEITOS

A conexão com fio USB garante que ela permaneça estável sem atrasos ligados durante o jogo.

PRONTO A UTILIZAR INSTANTANEAMENTE

Simplemente plug and play não é necessário software.

CABO TIPO C DESTACÁVEL



Configuração mais fácil e armazenamento.



USB-C COM FIOS

Figure 2: Illustration of the wired USB-C connection for the Machenike K500-B61 keyboard. The image highlights the detachable Type-C cable and the plug-and-play nature of the device.

OPERATING INSTRUCTIONS

The K500-B61 features a 60% layout, which means some functions are accessed via key combinations using the **Fn** (Function) key.

Function Key Combinations

Combination	Function
Fn + [Key]	Accesses secondary functions printed on keycaps (e.g., F1-F12, arrow keys, Home, End, Page Up, Page Down).
Fn + Win	Locks/unlocks the Windows key to prevent accidental presses during gaming.
Fn + \ 	Cycles through RGB lighting modes.

Combination	Function
Fn + [Decreases RGB lighting brightness.
Fn +]	Increases RGB lighting brightness.
Fn + ; :	Decreases RGB lighting speed.
Fn + ' "	Increases RGB lighting speed.

Refer to the legends printed on the keycaps for specific secondary functions.



Figure 3: Depiction of the Machenike K500-B61 keyboard highlighting the detachable Type-C cable and the Windows Lock Key Mode. This image also illustrates the compact layout and the concept of layered functions.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Machenike K500-B61 keyboard.

Cleaning the Keyboard

- Disconnect the keyboard from your computer before cleaning.
- Use a soft brush or compressed air to remove dust and debris from between the keycaps.
- For stubborn dirt, gently wipe the keycaps with a slightly damp cloth (water only). Avoid excessive moisture.
- Do not use harsh chemicals or abrasive materials, as they may damage the keycaps or finish.

Hot-Swappable Switches

The K500-B61 features hot-swappable switches, allowing you to change switches without soldering. This keyboard supports any compatible 3-pin mechanical keyswitches.

1. Use the provided keycap puller to carefully remove the desired keycap by pulling straight up.
2. Use the provided switch puller to grasp the switch firmly and pull it straight out.
3. Align the pins of the new switch with the holes on the PCB (Printed Circuit Board). Ensure the pins are straight.
4. Gently push the new switch into place until it clicks securely. Do not force it.
5. Re-attach the keycap by pressing it firmly onto the switch stem.

CHAVES DE TROCA A QUENTE

Troca. Tipo. Repito. Sem esforço.

K500 MINI tem um PWB quente-swappable da completo-chave permitindo os usuários a mudar os interruptores ao seu gosto. Interruptor - se com qualquer compatível keyswitches de 3 pinos.

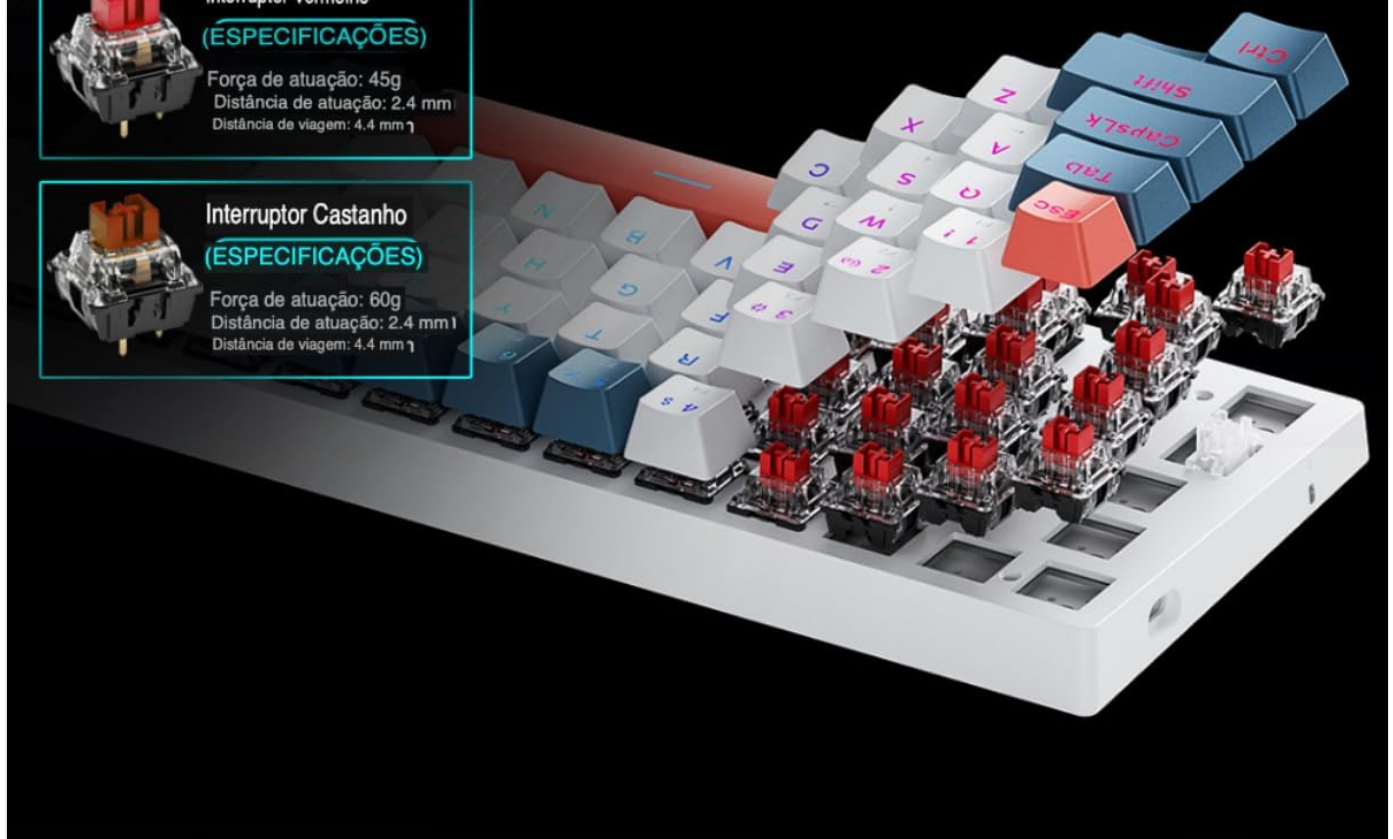


Figure 4: Illustration demonstrating the hot-swappable switch feature of the Machenike K500-B61 keyboard. The image shows different switch types (Red and Brown) and their specifications, along with the process of removing and installing switches.

TROUBLESHOOTING

If you encounter issues with your Machenike K500-B61 keyboard, refer to the following common problems and solutions:

- **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.
- Test the keyboard on another computer to rule out system-specific issues.

- **RGB lighting not working or stuck:**

- Press **Fn + \ |** to cycle through lighting modes.
- Adjust brightness using **Fn + [** or **Fn +]**.
- Disconnect and reconnect the keyboard.

- **Certain keys not working:**
 - Check if the keycap is properly seated. Remove and re-attach if necessary.
 - If the keyboard is hot-swappable, try removing and re-inserting the switch for the affected key.
 - If the issue persists, consider replacing the switch (refer to Maintenance section).
- **Windows key locked:**
 - Press **Fn + Win** to toggle the Windows key lock.

SPECIFICATIONS

Key technical specifications for the Machenike K500-B61 Mini Mechanical Keyboard:

Feature	Detail
Model Number	K500-21
Brand	Machenike
Form Factor	60% Mini
Connectivity	Wired USB-C (Detachable Cable)
Number of Keys	61 (Physical keys for 60% layout)
Switch Type	Mechanical (Hot-swappable 3-pin)
Backlighting	RGB
Anti-Ghosting	100% Anti-Ghosting, N-Key Rollover (NKRO)
Keycap Material	PBT+ ABS (Durable)
Dimensions (Packaging)	31.2 x 13 x 4.2 cm
Product Weight	540 g

WARRANTY AND SUPPORT

Machenike products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Machenike website.

For technical support, troubleshooting assistance beyond this manual, or inquiries about replacement parts, please contact Machenike customer service through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.

- **Online Support:** Visit the official Machenike website for FAQs, drivers, and support contact information.
- **Email Support:** Refer to your product packaging or the official website for the customer support email address.