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## Machenike K600-B100

# Machenike K600-B100 Mechanical Gaming Keyboard User Manual

Model: K600-B100

## 1. INTRODUCTION

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Thank you for choosing the Machenike K600-B100 Mechanical Gaming Keyboard. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new keyboard. Please read this manual thoroughly before use to ensure optimal performance and longevity of your device.

## 2. PRODUCT OVERVIEW

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The Machenike K600-B100 is a high-performance mechanical keyboard designed for both gaming and professional use. It features a compact 96% layout with 100 keys, offering a balance between functionality and desk space efficiency.

### Key Features:

- **96% Compact Layout:** Retains full functionality including a numeric keypad in a more compact form factor.
- **Hot-Swappable Mechanical Switches:** Allows for easy customization of your typing experience without soldering. Supports most 3-pin switch types.
- **Dynamic RGB Backlighting:** Customizable multi-color RGB illumination with various display functions.
- **Doubleshot ABS Keycaps:** Durable keycaps designed for enhanced longevity and visual appeal.
- **USB-C Wired Connectivity:** Ensures a stable and reliable connection with your computer.
- **N-Key Rollover & Anti-Ghosting:** Guarantees precise input for every keystroke, crucial for gaming and fast typing.

### Package Contents:

- Machenike K600-B100 Mechanical Gaming Keyboard
- USB-C to USB-A Cable
- User Manual

# K600 LITE

HOT-SWAPPABLE | 96% LAYOUT | DOUBLE-SHOT ABS KEYCAP



Image 2.1: The Machenike K600-B100 Mechanical Gaming Keyboard, showcasing its compact layout and RGB lighting.

# 96% COMPACT FULL SIZED LAYOUT

Retaining full functions and number keys from a standard 100% keyboard, the layout is redesigned to be more compact and efficient that frees up your desk space.



Image 2.2: Overview of the keyboard's 96% compact layout, 100% anti-ghosting, N-key rollover, durable doubleshot ABS keycaps, detachable USB-C cable, and RGB lighting.

## 3. SETUP INSTRUCTIONS

The Machenike K600-B100 keyboard is designed for plug-and-play functionality, requiring no additional software installation for basic use.

1. **Unpack the Keyboard:** Carefully remove the keyboard and the USB-C cable from its packaging.
2. **Connect the Cable:** Insert the USB-C end of the provided cable into the port on the keyboard.
3. **Connect to Computer:** Plug the USB-A end of the cable into an available USB port on your computer.
4. **System Recognition:** Your operating system (e.g., Windows 10) will automatically detect and install the necessary drivers. The keyboard will be ready for use once recognized.

# FOR SEAMLESS GAMING

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

## INSTANTLY READY TO USE

Simply plug and play  
no software required.

## DETACHABLE TYPE-C CABLE



Easier setup and  
storage.



USB-C WIRED

Image 3.1: Illustration of the USB-C wired connection, highlighting the plug-and-play setup and detachable cable for easy storage.

## 4. OPERATING INSTRUCTIONS

### Basic Keyboard Use:

The K600-B100 functions as a standard 100-key keyboard. All keys are pre-programmed for their respective functions. For specific media controls or advanced functions, refer to the key legends or consult the manufacturer's website for software if available.

### RGB Lighting Control:

The keyboard features dynamic RGB backlighting. Specific key combinations are typically used to cycle through lighting modes, adjust brightness, or change colors. Refer to the keyboard's function keys (often combined with the 'Fn' key) for these controls. Common combinations include:

- **Fn + [Key]:** To change lighting effects or colors.
- **Fn + Arrow Keys:** To adjust brightness or speed of effects.

### Hot-Swapping Mechanical Switches:

The K600-B100 supports hot-swappable 3-pin mechanical switches, allowing you to customize the feel and sound of your keyboard. Follow these steps carefully:

1. **Power Off:** Disconnect the keyboard from your computer before attempting to remove or install switches.
2. **Remove Keycap:** Use a keycap puller (not included) to gently remove the desired keycap.
3. **Remove Switch:** Use a switch puller (not included) to carefully grip the top and bottom clips of the switch. Gently pull the switch straight up to remove it from the PCB. Avoid bending the pins.
4. **Install New Switch:** Align the pins of the new 3-pin mechanical switch with the holes on the PCB. Ensure the pins are straight. Gently press the switch down until it clicks into place. Do not force the switch.
5. **Replace Keycap:** Place the keycap back onto the new switch stem.
6. **Test:** Reconnect the keyboard and test the new switch functionality.

## FULL KEY HOT-SWAPPABLE

Enjoy the convenience of hot-swappable key switches on the K600 LITE, making it effortless to customize your typing experience. It seamlessly supports most 3-pin switch types available in the market.



**OUTEMU Red Switch**  
[The Specifications](#)  
Actuation Force: 45g  
Actuation Distance: 2.4mm  
Travel Distance: 4.4mm



**OUTEMU Brown Switch**  
[The Specifications](#)  
Actuation Force: 60g  
Actuation Distance: 2.4mm  
Travel Distance: 4.4mm



Image 4.1: Detailed view of the hot-swappable switch mechanism, showing OTEMU Red and Brown switch types and how they are installed.

# DURABLE DOUBLESHOT ABS KEYCAPS

The K600 LITE features ABS dual-color injection-molded keycaps, delivering outstanding durability and extended lifespan. Enjoy the light and responsive feel of ABS keycaps for effortless work and play.



Image 4.2: Close-up of the durable double-shot ABS keycaps and the underlying mechanical switches, illustrating the removable components.

## 5. MAINTENANCE

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Proper maintenance ensures the longevity and performance of your keyboard.

- **Cleaning Keycaps:** Use a soft, damp cloth with mild soap and water to clean the keycaps. Ensure they are completely dry before reattaching.
- **Cleaning Under Keycaps:** Periodically remove keycaps to clean dust and debris from the keyboard plate using compressed air or a soft brush.
- **Cable Care:** Avoid sharp bends or excessive pulling on the USB-C cable to prevent damage.
- **Storage:** When not in use, store the keyboard in a clean, dry environment away from direct sunlight and extreme temperatures.

## 6. TROUBLESHOOTING

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If you encounter issues with your Machenike K600-B100 keyboard, refer to the following common solutions:

Problem	Possible Cause	Solution
Keyboard not responding	Loose cable connection, faulty USB port, driver issue.	Ensure USB-C cable is securely connected. Try a different USB port on your computer. Restart your computer.
RGB lighting not working	Lighting mode turned off, software conflict.	Press Fn + lighting control keys to cycle through modes or adjust brightness. Check for any conflicting software.
Specific key not working	Dust/debris under keycap, faulty switch.	Remove keycap and clean around the switch. If hot-swappable, try replacing the switch with a known working one.
Keys feel inconsistent	Switches not fully seated, mixed switch types.	Ensure all switches are fully pressed into the PCB. Verify that all switches are of the desired type.

## 7. SPECIFICATIONS

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Detailed technical specifications for the Machenike K600-B100 Mechanical Gaming Keyboard:

Feature	Detail
Model Name	K600-B100
Brand	Machenike
Key Count	100 keys (96% layout)
Switch Type	Linear (e.g., OTEMU Red, hot-swappable 3-pin)
Keycap Material	Doubleshot ABS
Connectivity	USB-C Wired
Backlighting	RGB
Compatible Devices	PC (Windows 10 recommended)
Material	Plastic
Weight	1.03 kg
Package Dimensions	40.5 × 18.0 × 5.0 cm
Special Features	Backlit, Ergonomic Design, Hot-Swappable, Shortcut & Media Keys, Customizable Display Keys

## 8. WARRANTY AND SUPPORT

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### Warranty Information:

The Machenike K600-B100 Mechanical Gaming Keyboard comes with a **limited one-year warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural wear and tear.

Please retain your proof of purchase for warranty claims.

### Customer Support:

For technical assistance, warranty claims, or further inquiries, please contact Machenike customer support through their official website or the retailer where you purchased the product. Provide your product model number (K600-B100) and a

detailed description of the issue to expedite support.