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› [Septpenta](#) /

› Septpenta DIY 84 Keys Mechanical Keyboard Kit User Manual

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Model: DIY 84 Keys Mechanical Keyboard

1. INTRODUCTION

Thank you for choosing the Septpenta DIY 84 Keys Mechanical Keyboard Kit. This kit allows you to customize your keyboard with your preferred switches and keycaps, offering a personalized typing experience. This manual provides detailed instructions for assembly, connection, operation, and maintenance to ensure optimal performance and longevity of your keyboard.

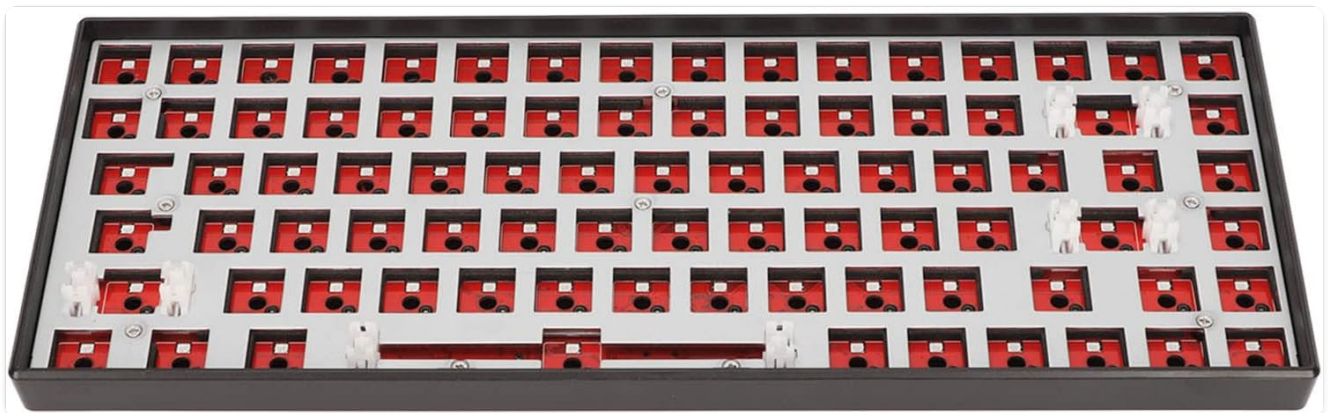


Image: The Septpenta DIY 84 Keys Mechanical Keyboard Kit, showcasing its bare PCB and frame, ready for customization.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Mechanical Keyboard Kit (84-key layout)
- 1 x USB Power Supply Cable (Type-C)
- 1 x Adapter (USB-A to USB-C)
- 1 x Key Puller
- 1 x Shaft Puller



Image: All components included in the package: the keyboard kit, USB-C cable, USB adapter, key puller, and shaft puller.

3. SPECIFICATIONS

Feature	Description
Item Type	84 Key Mechanical Keyboard DIY Kit
Material	ABS Shell, Metal Positioning Plate
Connection Method	Wireless 2.4G, Bluetooth 3.0, Bluetooth 5.0, Type-C Wired
Lighting	RGB Multiple Lighting Modes
Key Conflict	No Conflict for All Keys (N-Key Rollover)
Battery Capacity	Built-in 1500mAh Lithium Battery
Ergonomics	Support
Working Voltage	5V DC
Working Current	300mA (Maximum)

Feature	Description
Standby Current	0.5mA
Hot Swap Base	Supports Standard Height 5-Pin and 3-Pin Shafts
Compatible Systems	Windows 2000/ME/XP/Vista/7/8/10, HarmonyOS, Android, macOS, etc.
Keyboard Layout	65% layout (84 keys)

4. SETUP AND ASSEMBLY

This keyboard kit requires assembly of switches and keycaps. Please follow these steps carefully:

4.1 Installing Switches

1. Ensure the keyboard kit is disconnected from any power source.
2. Carefully align the pins of your chosen mechanical switch with the hot-swap sockets on the PCB.
3. **Important:** Before inserting, check if the switch pins are bent. Straighten any bent pins gently with tweezers if necessary.
4. Insert the switch vertically into the hot-swappable shaft holder until it clicks into place. Do not force the switch if it doesn't go in smoothly, as this may damage the pins or the socket.
5. Repeat for all 84 switch positions.



Image: A close-up view of the hot-swap sockets on the keyboard's PCB, designed for easy switch installation.

4.2 Installing Keycaps

1. Ensure all switches are securely installed.
2. Select keycaps that support a 65% layout (84-key).
3. Align the cross-shaped stem of the keycap with the stem of the switch.
4. Press down firmly until the keycap is seated securely on the switch.
5. Repeat for all keycaps.

4.3 Connecting the Keyboard

The keyboard supports three connection modes: Wireless 2.4G, Bluetooth, and Type-C Wired.

4.3.1 Type-C Wired Connection

1. Connect one end of the provided USB Type-C cable to the Type-C port on the keyboard.

2. Connect the other end of the cable to a USB port on your computer or device.
3. The keyboard will be automatically recognized by your system.



Image: A detailed view of the USB-C port located on the side of the keyboard, used for wired connection and charging.

4.3.2 Wireless 2.4G Connection

1. Locate the 2.4G USB receiver (dongle) included in the package.
2. Plug the 2.4G USB receiver into an available USB port on your computer or device.
3. Turn on the keyboard (refer to operating instructions for power switch location).
4. The keyboard should automatically connect to the receiver. If not, refer to the operating instructions for pairing mode.

4.3.3 Bluetooth Connection (3.0/5.0)

1. Turn on the keyboard.
2. Activate Bluetooth pairing mode on the keyboard (refer to operating instructions).
3. On your computer or device, go to Bluetooth settings and search for new devices.
4. Select the keyboard (e.g., "Septenta Keyboard") from the list of available devices and follow any on-screen prompts to complete pairing.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Locate the power switch on the keyboard (usually on the back or side). Slide it to the 'ON' position to power on and 'OFF' to power off.

5.2 Switching Connection Modes

The keyboard supports seamless switching between its three connection modes. Specific key combinations for switching modes will depend on the firmware, but commonly involve a function key (Fn) combined with a number key

(e.g., Fn+1 for 2.4G, Fn+2 for Bluetooth 1, Fn+3 for Bluetooth 2, Fn+4 for Wired). Refer to the specific keycap legends or a separate quick guide for exact combinations.

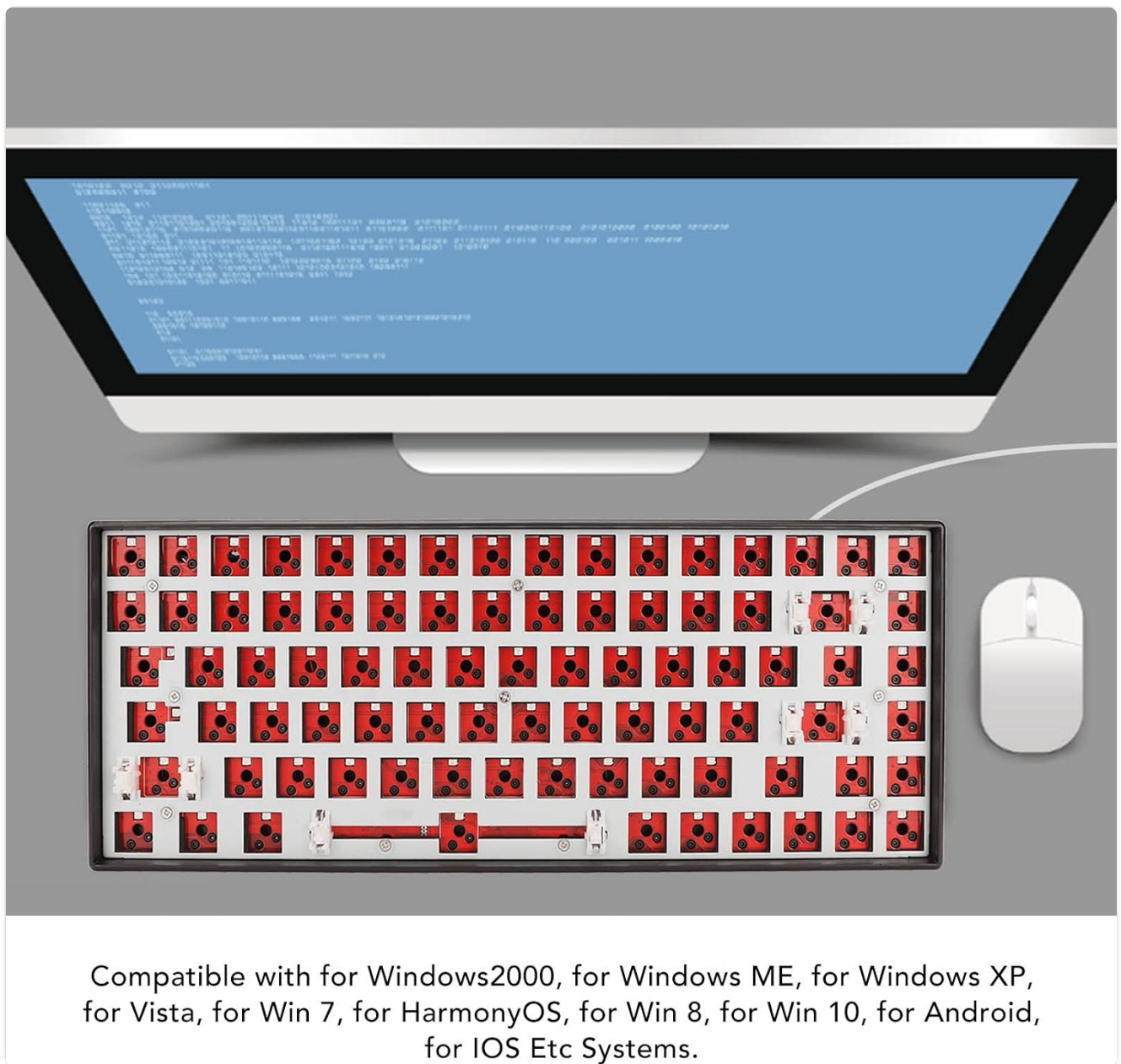
5.3 RGB Lighting Modes

The keyboard features multiple RGB lighting modes. Use the designated function key combinations (e.g., Fn + \| for mode cycle, Fn + arrow keys for brightness/speed) to cycle through different effects, adjust brightness, and change animation speed. Consult the keyboard's specific keymap for detailed lighting controls.

5.4 Compatibility

The keyboard is compatible with a wide range of operating systems, including:

- Windows 2000, Windows ME, Windows XP, Windows Vista, Windows 7, Windows 8, Windows 10
- HarmonyOS
- Android
- macOS (OS X)



Compatible with for Windows2000, for Windows ME, for Windows XP,
for Vista, for Win 7, for HarmonyOS, for Win 8, for Win 10, for Android,
for IOS Etc Systems.

Image: The keyboard kit shown in a setup with a computer, emphasizing its broad compatibility with various operating systems.

6. MAINTENANCE

6.1 Cleaning

- Disconnect the keyboard from all power sources before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe the keycaps and keyboard frame.
- For dust and debris between keycaps, use compressed air or a small brush.
- Avoid using harsh chemicals, abrasive cleaners, or excessive moisture.

6.2 Battery Care

- Charge the keyboard regularly using the provided USB Type-C cable.
- Avoid fully discharging the battery frequently, as this can reduce its lifespan.
- If storing the keyboard for an extended period, charge it to about 50% before storage.

7. TROUBLESHOOTING

If you encounter issues with your keyboard, please refer to the following common problems and solutions:

7.1 Keyboard Not Responding

- **Check Power:** Ensure the keyboard is powered on and the battery has sufficient charge. Connect the USB cable to charge if needed.
- **Check Connection:**
 - *Wired:* Ensure the USB cable is securely connected to both the keyboard and the computer. Try a different USB port or cable.
 - *2.4G Wireless:* Ensure the USB receiver is properly plugged in and the keyboard is in 2.4G mode. Try re-pairing if necessary.
 - *Bluetooth:* Ensure Bluetooth is enabled on your device and the keyboard is paired. Try unpairing and re-pairing the device.
- **Restart:** Turn the keyboard off and on again. Restart your computer.

7.2 Keys Not Registering

- **Switch Installation:** Ensure the switch for the problematic key is fully and correctly seated in its hot-swap socket. Remove and re-insert the switch, checking for bent pins.
- **Keycap Installation:** Ensure the keycap is properly attached to the switch stem.
- **Debris:** Check for any debris or foreign objects under the keycap or around the switch.

7.3 RGB Lighting Not Working

- **Brightness:** Ensure the brightness is not set to minimum. Use the designated key combination to increase brightness.
- **Mode:** Cycle through different lighting modes to see if any are active.
- **Battery:** Low battery might disable lighting to conserve power. Charge the keyboard.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the Septpenta official website or contact our customer service. Keep your purchase receipt as proof of purchase.

Contact Information:

- **Brand Store:** [Septpenta Amazon Store](#)
- Refer to product packaging or official website for direct support channels.

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Question

Example: How do I reset this device or fix this error?

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