

## YUNZII X98

# YUNZII X98 QMK/VIA Wireless Mechanical Gaming Keyboard Instruction Manual

Model: X98

## INTRODUCTION

The YUNZII X98 is a versatile 98% layout mechanical gaming keyboard designed for multi-device compatibility and extensive customization. It supports wired, 2.4GHz wireless, and Bluetooth connections, offering flexibility for various setups. Featuring QMK/VIA open-source firmware, hot-swappable switches, and a gasket mount design, the X98 provides a premium typing and gaming experience. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting.

## KEY FEATURES

- **Tri-Mode Wireless Connectivity:** Supports wired (USB-C), 2.4GHz wireless, and Bluetooth 5.0 connections for seamless switching between up to 5 devices including laptops, PCs, smartphones, and tablets.
- **QMK/VIA Customization:** Fully programmable with QMK/VIA open-source firmware, allowing users to remap keys, create macros, adjust RGB effects, and customize the rotary knob.
- **Hot-Swappable Switches:** Equipped with hot-swappable sockets compatible with 3-pin and 5-pin mechanical switches. Comes with pre-lubed Snow Switches for a smooth and quiet typing experience.
- **Gasket Mount Design:** Features a gasket mount structure with 5 layers of dampening materials (Poron, IXPE, Silicone, Sound Enhancement Pads) for a soft, elastic feel and satisfying acoustic profile.
- **Crystal Clear Design & Vibrant RGB:** Crafted from high-transparency PC material with shine-through keycaps and south-facing LEDs, offering 16.8 million colors for customizable RGB backlighting.

# YUNZII X98

## Transparent Wireless Mechanical Keyboard



96% Layout



BT/2.4G/Wired



8000 mAh  
battery



Hot  
Swappable



QMK/VIA  
Programmable



Multi-Function  
Knob



Full RGB



Gasket  
Structure



Image: Overview of the YUNZII X98 keyboard highlighting its main features such as 96% layout, tri-mode connectivity, 8000 mAh battery, hot-swappable switches, QMK/VIA programmability, multi-function knob, full RGB, and gasket structure.

## SETUP

### Unboxing and Initial Inspection

Upon unboxing, ensure all components are present:

- YUNZII X98 Mechanical Keyboard
- USB-C Cable
- 2.4GHz Wireless Dongle (stored in the keyboard's base)
- Keycap Puller
- Switch Puller
- Extra Switches
- User Manual

### Charging the Keyboard

The keyboard comes with a built-in 8000 mAh battery. For optimal performance, fully charge the keyboard before first use. Connect the provided USB-C cable to the keyboard's USB-C port and the other end to a power source (e.g., computer USB port, wall adapter).

# LONG-LASTING BATTERY

<b>45</b> HOURS	RGB ON 	<b>320</b> HOURS	RGB OFF 	<b>13</b> HOURS	 Charging
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# 8000mAh



Image: Illustrates the battery life of the YUNZII X98 keyboard, showing 45 hours with RGB on, 320 hours with RGB off, and 13 hours for charging, powered by an 8000 mAh battery.

## Adjustable Feet

The keyboard features adjustable feet on the underside to customize the typing angle for ergonomic comfort. Extend or retract the feet as desired.



Image: A close-up view of the underside of the YUNZII X98 keyboard, showing the adjustable feet extended to provide an ergonomic typing angle.

ergonomic typing angle.

## OPERATING INSTRUCTIONS

### Connectivity Modes

The YUNZII X98 supports three connection modes: Wired, 2.4GHz Wireless, and Bluetooth. Use the mode switch located on the side of the keyboard to select your desired connection type.



Image: The YUNZII X98 keyboard connected to multiple devices via Bluetooth, 2.4GHz wireless, and USB-C wired modes, illustrating its tri-mode connectivity.

#### 1. Wired Connection (Type-C)

Connect the provided USB-C cable directly from the keyboard to your computer. The keyboard will automatically switch to wired mode and begin charging.

#### 2. 2.4GHz Wireless Connection

1. Locate the 2.4G dongle stored in the slot on the underside of the keyboard.
2. Switch the mode button on the keyboard to the 2.4G position.

3. Plug the 2.4G dongle into a USB port on your device.
4. Long press **FN + 4** to enter pairing mode. The indicator light will flash.
5. The keyboard will connect automatically.

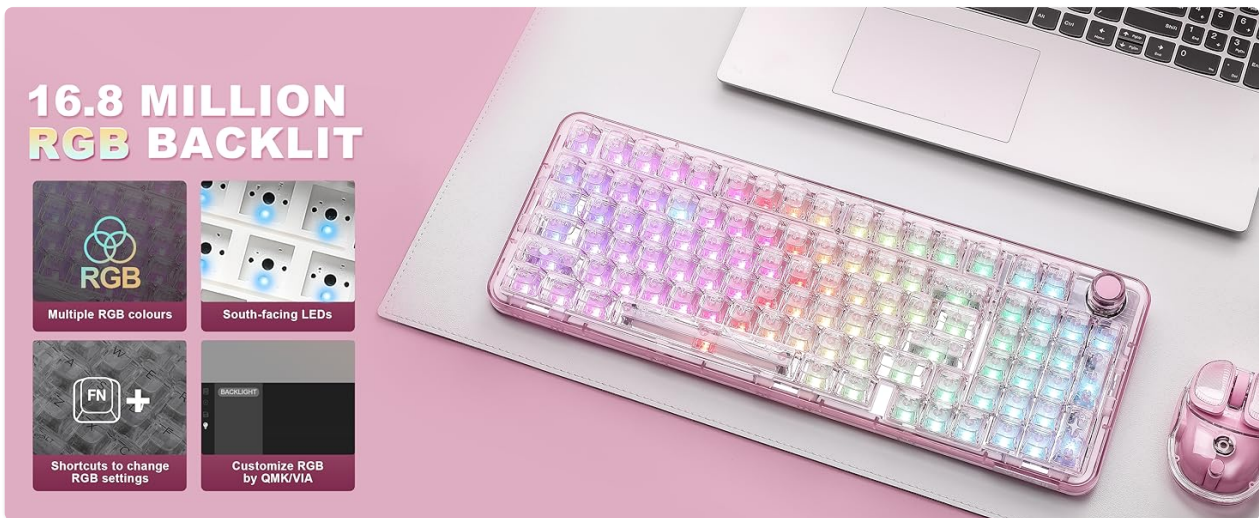


Image: Instructions for connecting the YUNZII X98 keyboard via 2.4GHz wireless, showing the mode switch, dongle storage, and pairing steps.

### 3. Bluetooth Connection

1. Switch the mode button on the keyboard to the BT position.
2. Short press **FN + 1/2/3** to select a Bluetooth channel (BT1, BT2, or BT3).
3. Long press the selected **FN + 1/2/3** key to enter Bluetooth pairing mode. The indicator light will flash.
4. On your device, search for "YUNZII X98 BT1/BT2/BT3" in the Bluetooth settings and connect.
5. The corresponding key (1, 2, or 3) will stay blue upon successful connection.



Image: Instructions for connecting the YUNZII X98 keyboard via Bluetooth, showing the mode switch, channel selection, and device pairing process.

### Multi-Function Knob

The rotary knob on the top right of the keyboard provides convenient control over various functions:

- **Short Press:** Mute/Unmute audio.
- **Rotate:** Adjust volume.
- **FN + Short Press:** Change the RGB effect of the knob.
- **QMK/VIA:** The knob's functions can be further customized using QMK/VIA software.

# MULTI-FUNCTION KNOB



Short Press: Mute / Unmute



**Fn+Short Press:**  
Change the RGB effect of the knob



**QMK/VIA** can set more  
function for knob



Image: A close-up of the YUNZII X98 keyboard's multi-function knob, detailing its controls for volume, mute, and RGB effect changes, along with QMK/VIA customization.

## RGB Backlighting Control

The YUNZII X98 features vibrant RGB backlighting with 16.8 million colors and various effects. Use the following FN shortcuts to control the lighting:

## FN+1/2/3 BLUETOOTH CONNECTION



Image: A diagram illustrating the FN key combinations to control RGB backlight effects, brightness, and blinking speed on the YUNZII X98 keyboard.

- **FN + Backspace:** Backlight Effect ON/OFF
- **FN + Tab:** White Light ON/OFF
- **FN + V:** Change Backlight Effect
- **FN + Enter:** Change Backlight Color
- **FN + Up Arrow:** Brightness Increase
- **FN + Down Arrow:** Brightness Decrease
- **FN + Left Arrow:** Blinking Speed Increase
- **FN + Right Arrow:** Blinking Speed Decrease

## FN Shortcuts

The keyboard offers various FN key combinations for quick access to system functions:



Image: A comprehensive list of FN key shortcuts for both Windows (FN+A) and macOS (FN+S) on the YUNZII X98 keyboard, including media controls, screen brightness, and system functions.

### Windows FN+A Shortcuts:

- **FN+F1:** Screen Brightness ↓
- **FN+F2:** Screen Brightness ↑
- **FN+F3:** Choose a window or desktop (WIN+TAB)
- **FN+F4:** Computer

- **FN+F5:** Email
- **FN+F6:** Homepage
- **FN+F7:** Previous Track
- **FN+F8:** Play/Pause
- **FN+F9:** Next Track
- **FN+F10:** Mute
- **FN+F11:** Volume ↓
- **FN+F12:** Volume ↑

#### **MacOS FN+S Shortcuts:**

- **FN+F1:** Screen Brightness ↓
- **FN+F2:** Screen Brightness ↑
- **FN+F3:** Mission Control
- **FN+F4:** Search
- **FN+F5:** No Function
- **FN+F6:** No Function
- **FN+F7:** Previous Track
- **FN+F8:** Play/Pause
- **FN+F9:** Next Track
- **FN+F10:** Mute
- **FN+F11:** Volume ↓
- **FN+F12:** Volume ↑

## **MAINTENANCE**

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### **Cleaning**

To clean your YUNZII X98 keyboard, use a soft, lint-free cloth. For deeper cleaning, you may carefully remove keycaps using the provided keycap puller and clean the switches and plate with compressed air or a soft brush. Avoid using harsh chemicals or excessive moisture.

### **Switch and Keycap Replacement**

The hot-swappable design allows for easy replacement of switches and keycaps without soldering. Use the provided switch puller to carefully remove switches and the keycap puller for keycaps. Ensure replacement switches are compatible 3-pin or 5-pin mechanical switches.

# FULL KEY HOT SWAPPABLE

## Compatible with 3 or 5 Pins Switches



**Mechanical  
Linear Switches**



**Hot Swappable  
Socket**



**South-Facing  
LEDs**



Image: A close-up view of the YUNZII X98 keyboard's hot-swappable sockets, demonstrating how switches can be easily removed and replaced, compatible with both 3-pin and 5-pin mechanical switches.

## TROUBLESHOOTING

- **Keyboard not connecting:** Ensure the mode switch is in the correct position (Wired, 2.4G, or BT). For wireless modes, ensure the keyboard is charged and in pairing mode. Try re-pairing the device.
- **RGB lights not working:** Check if the backlight is turned on using FN+Backspace. Adjust brightness with FN+Up/Down Arrow.
- **Keys not responding:** If individual keys are not working, try replacing the switch using the provided switch puller and an extra switch. Ensure the switch is properly seated.
- **Lag or disconnection in wireless mode:** Ensure the keyboard is within range of your device. Avoid interference from other wireless devices. For 2.4GHz, ensure the dongle is securely plugged in.

## SPECIFICATIONS

Feature	Detail
Product Dimensions	15.35 x 5.59 x 1.77 inches
Item Weight	0.035 ounces
Manufacturer	YUNZII
Item Model Number	X98
Batteries	1 D batteries required (included)
Connectivity Technology	Bluetooth, 2.4GHz, Type-C
Keyboard Description	Mechanical
Special Features	Backlit, Hot-Swappable, Programmable Keys, Transparent Base, Volume Roller
Color	Pink
Power Source	USB Powered
Switch Type	Linear (Snow Switch)

## WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the documentation included with your product or contact YUNZII customer service directly through the retailer where the product was purchased. For Amazon purchases, you can reach out to the seller, "Yunzii Keyboard", by visiting their store page or by selecting "Problem with order" from your orders list.

### Contacting Support via Amazon:

1. Visit the YUNZII product page on Amazon.
2. Select the seller's name, "Yunzii Keyboard".
3. Click "Ask a question" to send a message.

Alternatively, after placing an order:

1. Go to your orders.
2. Select "Problem with order".
3. Send a message to the seller.

## PRODUCT VIDEOS

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### YUNZII X98 Pink QMK/VIA Wireless Mechanical Gaming Keyboard

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Video: An official product video from Yunzii Keyboard showcasing the YUNZII X98 Pink QMK/VIA Wireless Mechanical Gaming Keyboard, highlighting its design and features.

