



**V0 Ultra Wireless Mechanical Keyboard User Manual**

# Fully Assembled Version

## Numpad

1x Fully Assembled Numpad

## Including

1x Case

2x PCB

1x Aluminium Plate

6x Gasket

1x Sound Absorbing Foam

1x IXPE Foam

1x PET Film

1x Latex Bottom Pad

1x Bottom Case Acoustic Foam

1x Bottom Case PET Film

3 Sets x Stabilizers

1 Set x Keycaps (PBT Double-shot)

1 Set x Switches

## Cable

1x Type-C Cable

1x Type-A to Type-C Adapter

1x Extension Adapter For Receiver

## Receiver

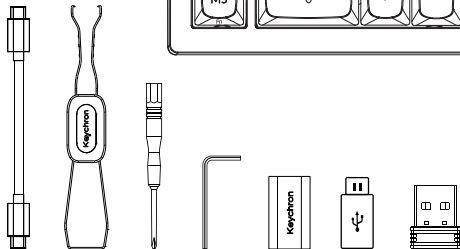
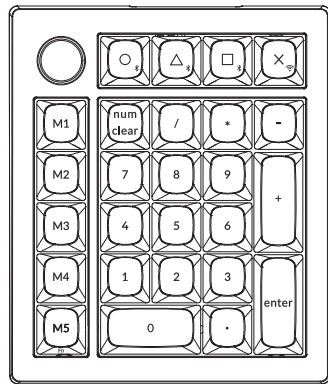
1x Type-A 2.4GHz Receiver

## Tools

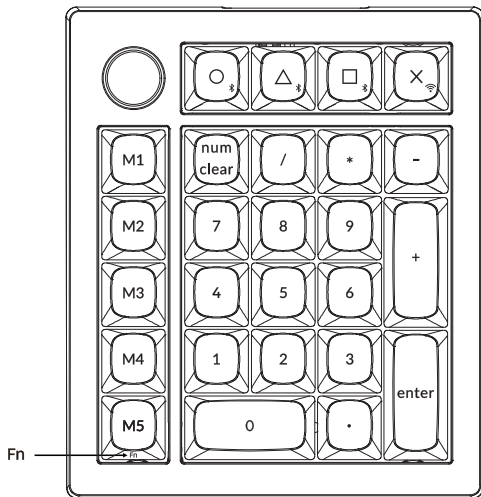
1x Keycap & Switch Puller

1x Screwdriver

1x Hex Key

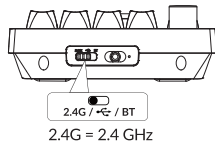


# Quick Start Guide

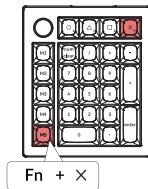


## 1 Connect 2.4 GHz Receiver

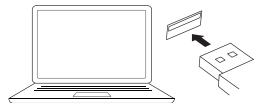
Switch toggle to 2.4 GHz mode



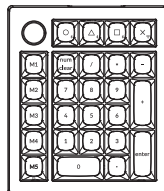
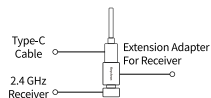
Press Fn + X (for 4 seconds)



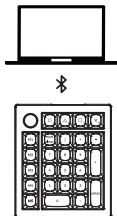
Connect the 2.4 GHz receiver to the device USB port.



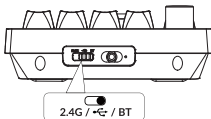
Note: For the best wireless experience, we recommend using the extension adapter for receiver and putting the 2.4 GHz receiver somewhere on your desk close to your keyboard for a low rate of latency and fewer signal interferences.



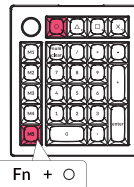
## 2 Connect Bluetooth



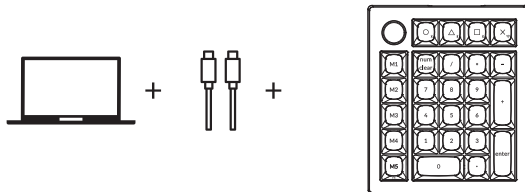
Switch toggle to Bluetooth



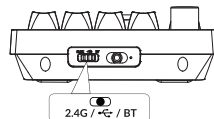
Press Fn + ○ (for 4 seconds) and pair with device named Keychron V0 Ultra 8K.



## 3 Connect Cable

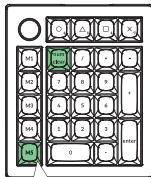


Switch toggle to Cable



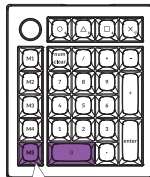
## 4 The Backlight

Press Fn + num clear to change the lighting effect



Fn + num clear

Press Fn + 0 to turn the backlight on/off

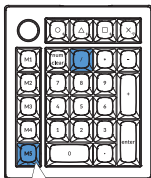


Fn + 0

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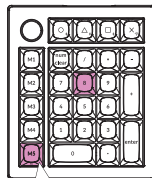
## 5 Adjust The Backlight Brightness

Press Fn + / to increase the backlight brightness



Fn + /

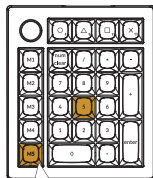
Press Fn + 8 to decrease the backlight brightness



Fn + 8

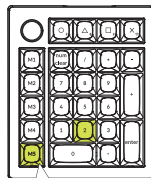
## 6 Adjust The Backlight Speed

Press Fn + 5 to increase the light effect speed



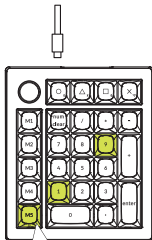
Fn + 5

Press Fn + 2 to decrease the light effect speed



Fn + 2

## 7 Factory Reset & Firmware Update



Fn + 9 + 1

### Troubleshooting? Don't know what's going on with the numpad?

#### *Factory reset your numpad*

1. Power on your numpad.
2. Press and hold Fn + 9 + 1 (for 4 seconds). The numpad backlight will flash in red quickly for 3 seconds, indicating that the numpad has been reset.

#### *Flash your numpad firmware*

1. Visit [launcher.keychron.com](https://launcher.keychron.com) to open the online Launcher web app.
2. Ensure the numpad is in Cable or Wired mode and plug in the power cable.
3. Find the 'Firmware Update' tab on the left side of the Launcher and connect your numpad with it.
4. Follow the instructions on the Launcher and complete the firmware update.

\*Step-by-step guide, search the keyword "firmware" on [keychron.com](https://keychron.com).

## 8 Warranty

The numpad is highly customizable and easy to be rebuilt. If anything goes wrong with any of the numpad components during the warranty period, we will only replace the defective parts of the numpad, not the whole numpad.



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## 9 The Keychron Launcher App

Please visit [launcher.keychron.com](https://launcher.keychron.com) to use the online Launcher web app to remap the keys, create macro commands, or flash the firmware. If the Launcher cannot recognize your keyboard, please reach our support to get the instructions.



\* The online Launcher can only run on the latest version of Chrome, Edge, and Opera browsers.

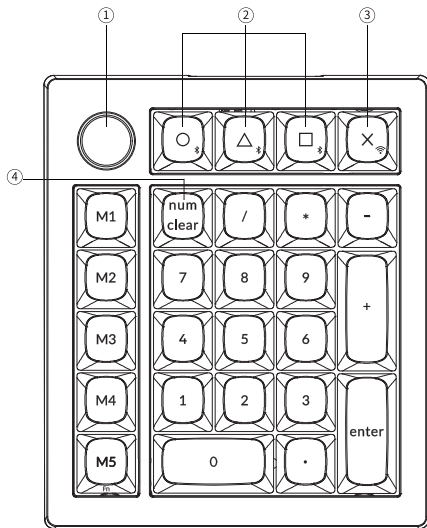
## V0 ULTRA

## WIRELESS MECHANICAL

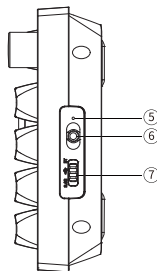
## SPECIFICATIONS

| Specifications       |                                                               |
|----------------------|---------------------------------------------------------------|
| Layout               | Numpad                                                        |
| Switch type          | Mechanical                                                    |
| Width                | 138.9 mm                                                      |
| Length               | 117.6 mm                                                      |
| Front height         | 23.6 mm (without keycaps)<br>31.7 mm (with keycaps installed) |
| Back height          | 30.2 mm (without keycaps)<br>43.1 mm (with keycaps installed) |
| Keyboard feet height | 2 mm                                                          |
| Angle                | 9.8 degree                                                    |

## VO ULTRA WIRELESS MECHANICAL



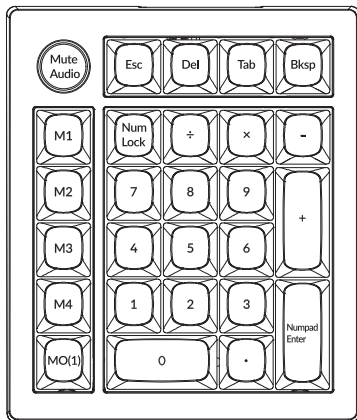
## OVERVIEW



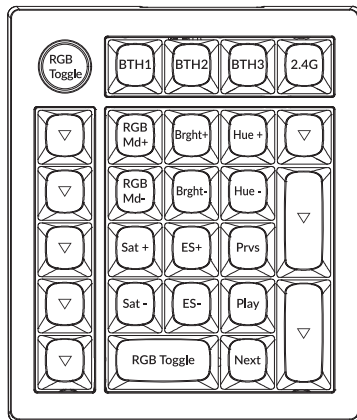
- ① Knob
- ② Bluetooth Channel Indicator
- ③ 2.4 GHz Indicator
- ④ Num Lock Indicator
- ⑤ Power Indicator
- ⑥ Type-C Port
- ⑦ 2.4G / Cable / BT (Connection Mode Toggle)

## DEFAULT KEY LAYOUT:

LAYER 0: This layer is the default layer.



LAYER 1: This layer will be activated when you press the MO(1) key.



## KEY DESCRIPTION

| Key Description |                     | Key Description |                                                 |
|-----------------|---------------------|-----------------|-------------------------------------------------|
| Bright-         | Backlight Decrease  | RGB Toggle      | Turn Backlight on/off                           |
| Bright+         | Backlight Increase  | RGB SPI         | RGB Speed Increase                              |
| Prvs            | Previous            | RGB SPD         | RGB Speed Decrease                              |
| Play            | Play/Pause          | MO(1)           | Layer 1 will be activated when holding this key |
| Next            | Next                | Hue+            | Hue Increase                                    |
| RGBMd-          | RGB Mode Previous   | Hue-            | Hue Dncrease                                    |
| RGBMd+          | RGB Mode Next       | BTH1            | Bluetooth Host 1                                |
| Sat+            | Saturation Increase | BTH2            | Bluetooth Host 2                                |
| Sat-            | Saturation Decrease | BTH3            | Bluetooth Host 3                                |
| 2.4G            | 2.4 GHz Host        | Bksp            | Backspace                                       |

## LED STATUS OVERVIEW

| LED Location                            | Function           | Status                                                                        |
|-----------------------------------------|--------------------|-------------------------------------------------------------------------------|
| Power Indicator                         | Charging           | Charging - Static Red<br>Fully Charged - Static Green                         |
| Bluetooth / 2.4GHz<br>Channel Indicator | Bluetooth / 2.4GHz | Reconnecting - Fast Blinking<br>Paired - Light Off<br>Pairing - Slow Blinking |
| Num Lock Indicator                      | Num Lock           | Enable Num Lock - Static White<br>Disable Num Lock - Light Off                |

### FUNCTION DESCRIPTION: CHARGING

Plug the cable into a USB port and plug the other end into the numpad port. Power indicator: A red light will stay on while charging; Fully charged in around 3 hours, a green power indicator will appear.

\*The V0 Ultra 8K numpad is compatible with all USB ports. Please use a 5V 1A adapter or USB 3.0 for the best performance. The V0 Ultra 8K can be charged in 2.4 GHz/Cable/Bluetooth mode.

\*\*This product supports up to 5V charging voltage. We are not responsible for any problems caused by improper charging.

## **2.4 GHz / BLUETOOTH / WIRED MODE**

### **2.4 GHz MODE**

1. Switch the toggle to the "2.4G" option. Press "Fn" + "X" on your numpad for 4 seconds to activate the 2.4 GHz pairing status.
2. Connect the 2.4 GHz receiver to your device's USB / Type C Port. The numpad will automatically connect to your device.

### **FORCED PAIRING:**

1. Remove the receiver from your device and switch the numpad to "2.4G" option to activate the numpad. The backlight will be opened.
  2. Press "Fn" + "X" on your numpad for 4 seconds to activate the 2.4 GHz pairing status. Under this status, the 2.4 GHz channel indicator will flash for 3 minutes.
  3. Reinsert the receiver into the device and then the numpad starts to pair with the device. After successful pairing, the 2.4 GHz channel indicator will be off.
- \*Keep the numpad within 20 cm of the receiver for optimal pairing.

### **BLUETOOTH MODE**

1. Switch the toggle to the "BT" option.
2. Backlighting will be turned on.
3. Hold "Fn"+"O" key for 4 seconds to activate Bluetooth pairing (the Bluetooth channel indicator fast flashes for 3 minutes to detect pairing).
4. Search for the Bluetooth device "Keychron V0 Ultra 8K" on your device and connect it (the Bluetooth channel indicator goes off after successful pairing).

*Note: This numpad supports pairing up to 3 devices simultaneously via key combination “Fn” + “○” / “Fn” + “△” / “Fn” + “□”.*

*\*The Bluetooth channel indicator will continue to flash for 3 minutes.*

*\*\*Slow or failed connections may exist due to different Bluetooth versions, please make sure all the settings are correct.*

## **SWITCH BLUETOOTH DEVICES**

Short press key combination “Fn” + “○” / “Fn” + “△” / “Fn” + “□” to switch to other device.

## **RECONNECT:**

1. Switch the numpad to the “BT” option to activate the numpad.
2. The Bluetooth channel indicator flashes for 3 seconds and automatically pairs with the last paired device.
3. If the Bluetooth channel indicator is off, press any button to enter the connection again.

\* The numpad must have been paired with the device to perform this function.

## **WIRED MODE**

1. Switch the toggle to the “ ” option (it only works when a USB cable is plugged in).
2. Connect our cable with your PC and numpad.
3. Backlighting will be turned on.

\*Under Wired Mode, numpad will not enter into Battery Saver Mode.

## DEFAULT REPORT RATE UNDER THREE MODES

| Mode      | Default Report Rate (Polling Rate) |
|-----------|------------------------------------|
| 2.4 GHz   | 1000 Hz                            |
| Wired     | 1000 Hz                            |
| Bluetooth | 125 Hz                             |

## TURN OFF THE KEYBOARD

Switch the keyboard to the “ ” option and unplug the power cable.

## BACKLIGHT SETTING

- Short press key combination “Fn” + “O” / “Fn” + knob (press) to turn the backlight on/off.
- Short press key combination “Fn” + “num clear” / “Fn” + “7” to switch between different types of lighting effects.

## TROUBLESHOOTING

If unable to pair numpad to device, confirm that the device you're trying to pair with is Bluetooth-capable. If so, restart the device and try pairing it with the numpad again.

Note: On a Windows computer, a new Bluetooth connection will sometimes require additional software update process that may still be ongoing after a message appears indicating a successful completion. Wait at least 20 minutes after pairing to make sure all updates are completed before restarting the computer.

Confirm that the device is configured to accept Bluetooth connections (Windows) and supports an external numpad (HID profile).

Go to Bluetooth Devices > Open Settings and select the following:

Allow Bluetooth devices to find this computer

Allow Bluetooth devices to connect to this computer

Alert me when a Bluetooth device wants to connect

### **My numpad isn't working in Bluetooth mode.**

For the computer/smartphone:

Go to your device Bluetooth settings>Select the numpad and remove/delete/unpair it.

Then restart your device.

For the numpad:

Turn the numpad off and back on. Then reconnect it to your device.

### **Wireless connection is interrupted even within 10 meters.**

Check if the numpad is resting on a metal surface that can interfere with the wireless signal.

### **Third-party input tools are not compatible with the numpad.**

Due to compatibility, versions, brands and drivers of Windows/macOS, functionalities of third-party input tools may be affected while using the numpad. Please make sure your operating system and drivers are up to date.

**Safety Precaution:**

Keep the product, accessories and packaging parts out of the reach of children to prevent any accidents and choking hazards.

Always keep the product dry to avoid corrosion.

Do not expose the product to extreme temperatures below -10°C(14°F) or above 50°C(122°F) to preserve the lifespan of the keyboard.

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**Dover, DE 19901, United States**

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