BOYI GMK104

BOYI GMK104 Barebones Mechanical Keyboard Kit User Manual

Model: GMK104

Brand: BOYI

INTRODUCTION

Welcome to the user manual for your BOYI GMK104 Barebones Mechanical Keyboard Kit. This guide provides detailed instructions for setting up, operating, and maintaining your keyboard. The GMK104 is a full-size, QMK/VIA programmable, tri-mode (Bluetooth 5.0, 2.4GHz, Type-C wired) keyboard kit featuring a gasket-mounted, hot-swappable PCB, RGB backlighting, and an integrated screen with a multi-functional knob.

WHAT'S IN THE BOX

- Keycap Puller
- USB Cable
- 2.4G Receiver
- 104 Keyboard Kit

Video demonstrating the unboxing of the GMK104 barebones keyboard kit, showcasing its components.

SETUP

1. Installing Switches and Keycaps

The GMK104 is a barebones kit, meaning switches and keycaps are not pre-installed. You will need to install your preferred mechanical switches and keycaps.

1. Align the pins of your desired mechanical switches with the hot-swap sockets on the PCB.
2. Gently press each switch until it clicks into place. Ensure pins are straight to avoid bending.
3. Place your chosen keycaps onto the installed switches, pressing firmly until they are seated.
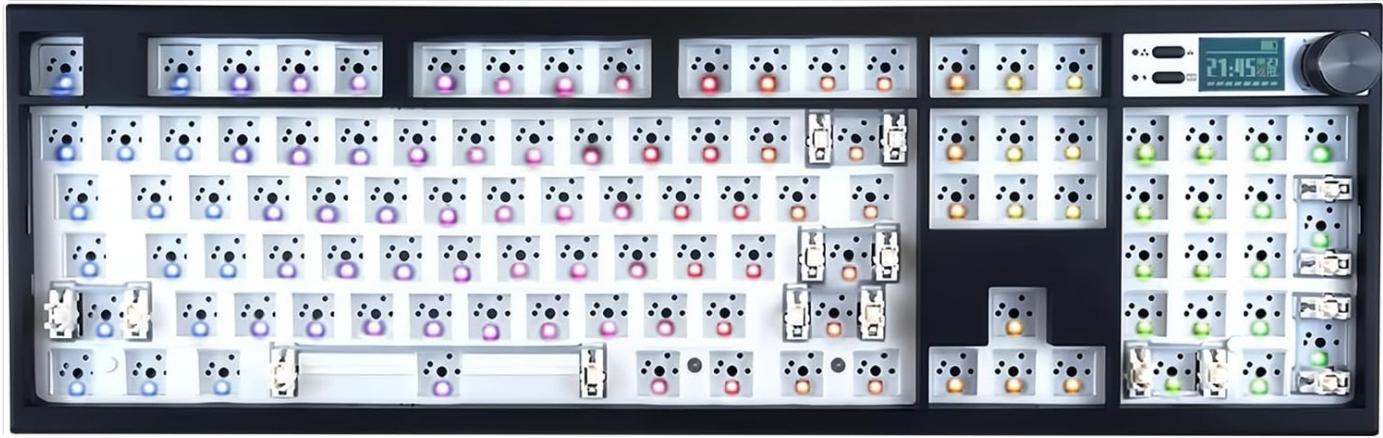
Image shows the GMK104 barebones keyboard kit with hot-swap sockets and RGB lighting, ready for switch and keycap installation.

2. Connecting the Keyboard

The GMK104 supports three connection modes: wired, 2.4GHz wireless, and Bluetooth 5.0 wireless.

Wired Connection (Type-C)

Connect the provided USB Type-C cable to the keyboard's Type-C port and to your computer's USB port. The keyboard will automatically switch to wired mode and begin charging.

2.4GHz Wireless Connection

Locate the 2.4G USB receiver, typically stored in a compartment on the underside of the keyboard.
Plug the 2.4G receiver into an available USB port on your computer.
On the keyboard, switch the mode selector to 2.4GHz mode. The keyboard should connect automatically.

Image showing the underside of the GMK104 keyboard, highlighting the storage slot for the 2.4G USB receiver.

Bluetooth 5.0 Wireless Connection

On the keyboard, switch the mode selector to Bluetooth mode.

Press **FN + Q**, **FN + W**, or **FN + E** to select one of three available Bluetooth channels. The corresponding key will flash, indicating pairing mode.

On your device (computer, tablet, smartphone), enable Bluetooth and search for "GMK104".

Select "GMK104" to pair. The flashing key will become solid once connected.

To switch between paired Bluetooth devices, press **FN + Q/W/E** for the desired channel.
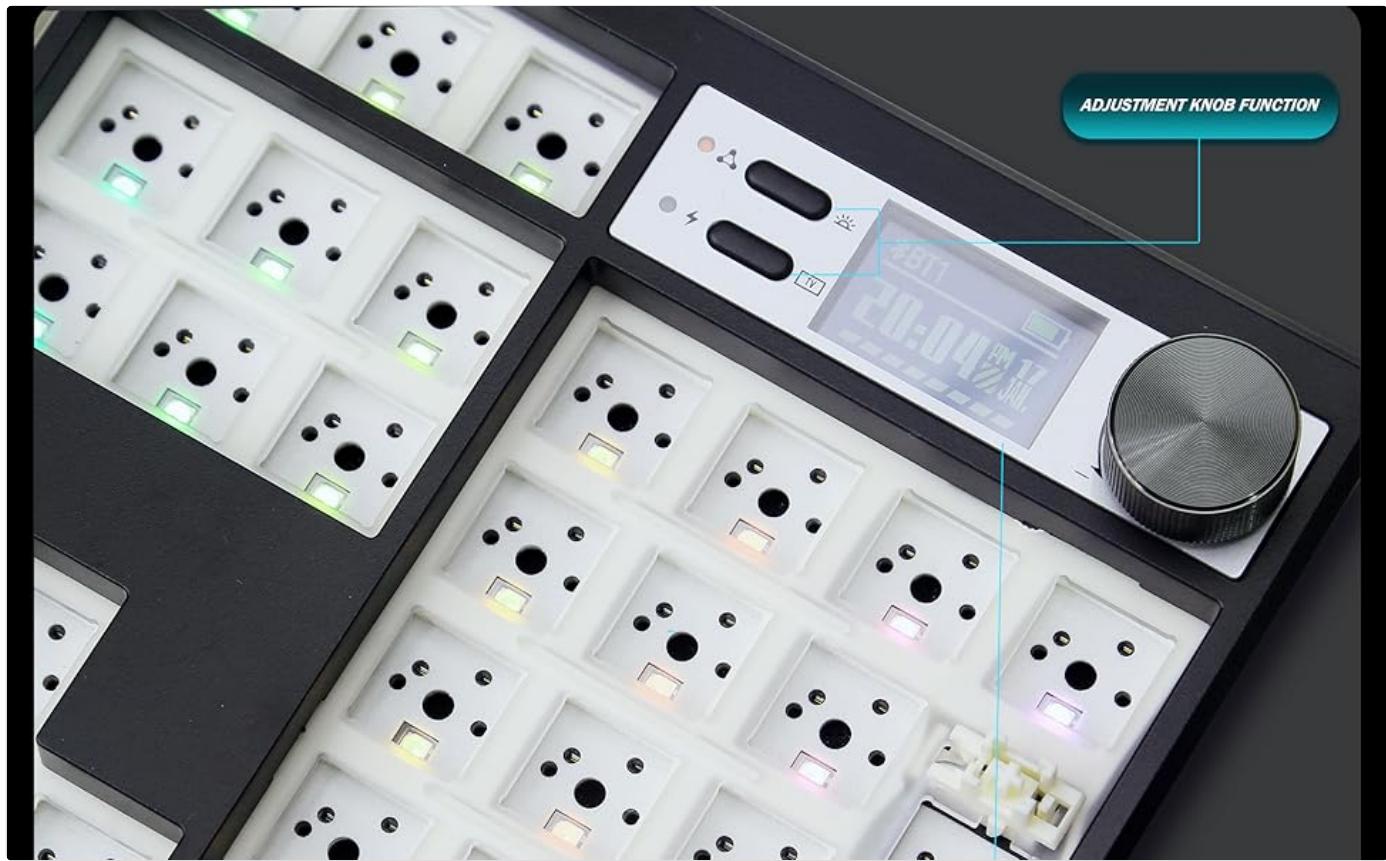
Image illustrating the GMK104 keyboard connected to a laptop, tablet, and smartphone, demonstrating its tri-mode connectivity.

OPERATING INSTRUCTIONS

Smart Display and Knob Functions

The keyboard features a smart display and a multi-functional knob.

The display shows time, date, connection status, and battery level.

The knob controls volume by default. Pressing the knob can mute/unmute.

Two buttons next to the screen control backlight and screen display settings.

Close-up image of the GMK104 keyboard's smart display and multi-functional knob, showing the screen displaying time and battery status, and the two control buttons.

Video demonstrating the customization options for the smart display on the GMK104 keyboard, including changing images.

RGB Backlighting

The keyboard features south-facing RGB backlighting with multiple effects.

Use **FN +** | to cycle through different RGB lighting modes.

Adjust brightness and speed using dedicated function key combinations (refer to the quick guide or VIA software for specific commands).

Image showcasing the vibrant RGB backlighting of the GMK104 keyboard with various color patterns.

QMK/VIA Programmability

The GMK104 is fully programmable using QMK/VIA software. This allows for key remapping, macro creation, and advanced lighting customization.

To use VIA, connect the keyboard via USB-C. Download the VIA software from the official website.

The software will automatically detect the keyboard, allowing you to customize key assignments and lighting layers.
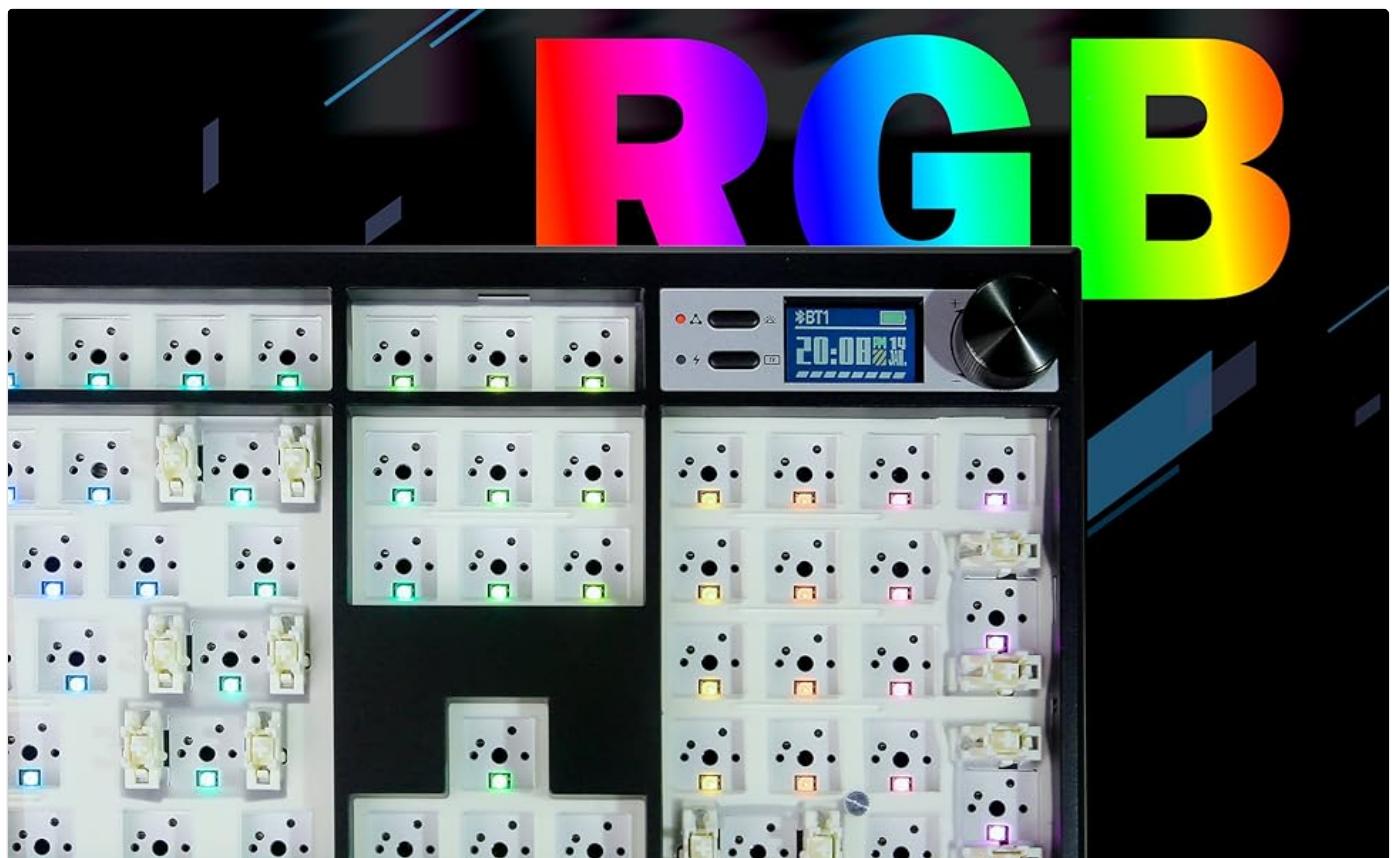
Screenshot of the VIA software interface, demonstrating how to remap keys and customize keyboard functions.

Video illustrating the VIA programmability of the GMK104 keyboard kit, showing how users can customize key functions and layouts.

MAINTENANCE

Cleaning

Disconnect the keyboard from all devices before cleaning.

Use a soft, lint-free cloth to wipe the surface. For deeper cleaning, remove keycaps and switches.

Use compressed air to remove dust and debris from between keys.

Battery Care

The keyboard has a built-in 4000mAh rechargeable battery.

Charge the keyboard using the provided USB Type-C cable.

Avoid fully discharging the battery frequently to prolong its lifespan.

TROUBLESHOOTING

Keyboard Not Responding

- Ensure the keyboard is properly connected (wired, 2.4GHz receiver, or Bluetooth paired).
- Check the battery level. Recharge if necessary.
- Try switching between connection modes.
- Restart your computer/device.

RGB Lights Not Working

- Ensure the keyboard is powered on.
- Cycle through RGB modes using **FN + |**.
- Check VIA software for lighting settings.

Keys Not Registering

- For hot-swappable switches, ensure they are fully seated in the PCB sockets.
- Check for bent switch pins.
- Test with different switches if available.

Screen Not Displaying Correctly

- Ensure the keyboard is powered on.
- Use the screen control buttons next to the display to adjust settings or reset.
- If using custom GIFs, ensure the software is correctly installed and the files are compatible.

SPECIFICATIONS

Feature	Detail
Model	GMK104
Connectivity	Bluetooth 5.0 / 2.4GHz Wireless / USB Type-C Wired

Feature	Detail
Layout	Full Size (104 keys)
Mounting Style	Gasket Mounted
Hot-Swappable	Yes (3-pin/5-pin switches)
Backlighting	South-Facing RGB
Programmability	QMK/VIA
Battery Capacity	4000mAh
Compatibility	Windows, macOS
Dimensions	10 x 4 x 1 inches
Item Weight	1.5 pounds

WARRANTY AND SUPPORT

For warranty information and technical support, please contact BOYI customer service.

Email: boyiservice2020@163.com

You can also visit the official BOYI store on Amazon for additional resources and contact options.
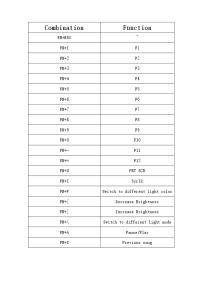
BOYI Amazon Store

Image showing customer service representatives, indicating available support channels.

Related Documents - GMK104

	BOYI GMK67 Mechanical Keyboard User Guide & Features Comprehensive guide for the BOYI GMK67 Mechanical Keyboard, covering RGB backlighting, connectivity (Wired, Bluetooth, 2.4Ghz), knob functions, custom lighting, battery charging, and software setup.
	BOYI TD66 Tri-Mode RGB Mechanical Keyboard User Manual User manual for the BOYI TD66 65% Hot-Swap Tri-Mode Mini RGB Keyboard, detailing its features, functions, and operation across USB, 2.4G wireless, and Bluetooth modes.

	[BOYI TD21 Mechanical Numeric Keyboard User Manual](#) User manual for the BOYI TD21 Mechanical Numeric Keyboard, detailing its features, wired and wireless connection modes (2.4G and Bluetooth), keyboard layout, and lighting controls.
	[BOYI WK68 Tri-Mode Mechanical Keyboard User Manual](#) Comprehensive user manual for the BOYI WK68 65% Hot-Swappable Tri-Mode RGB Mechanical Keyboard, detailing connectivity options (Wired, 2.4G, Bluetooth 3.0/5.0), backlighting customization, key functions, technical specifications, compatibility, and software for remapping.
	[BOYI WK68 Mechanical Keyboard User Manual and Specifications](#) Comprehensive guide to the BOYI WK68 Hot Swappable RGB Mechanical Keyboard, covering its features, connectivity options (wired, 2.4G, Bluetooth 5.0/3.0), backlit modes, and technical specifications. Includes FCC compliance information.
	[BOYI 68 Mini Keyboard User Manual: Features, Connectivity, and Specifications](#) Comprehensive user manual for the BOYI 68 Mini Keyboard, detailing function key combinations, 2.4G and Bluetooth connectivity, backlit modes, compatibility, electrical specifications, and warranty information.