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JamesDonkey J2

JamesDonkey J2 75% Wireless Mechanical Gaming Keyboard User Manual

Model: J2

1. Introduction

The JamesDonkey J2 is a high-performance 75% wireless mechanical gaming keyboard designed for versatility and customization. It features tri-mode connectivity (Bluetooth 5.1, 2.4GHz wireless, and USB-C wired), RGB backlighting, a custom knob, and QMK/VIA software support for advanced key remapping and macro creation. This manual provides detailed instructions to help you set up, operate, and maintain your J2 keyboard.



Image: Overview of the JamesDonkey J2 keyboard, highlighting its compact 75% layout and key features.

2. Package Contents

Please verify that all items are present in your package:

- JamesDonkey J2 75% Wireless Mechanical Gaming Keyboard
- USB-C to USB-A Cable
- 2.4GHz USB Receiver

- Keycap Puller
- Switch Puller (if hot-swappable version)
- User Manual (this document)

3. Setup

3.1 Charging the Keyboard

Before first use, it is recommended to fully charge the keyboard. Connect the provided USB-C cable to the keyboard's USB-C port and the other end to a USB power source (e.g., computer USB port, wall adapter). The charging indicator light will show charging status.

3.2 Adjusting Keyboard Height

The keyboard features adjustable feet to set your preferred typing angle. Gently flip out the feet located on the underside of the keyboard to raise its height. There are two levels of adjustment available.

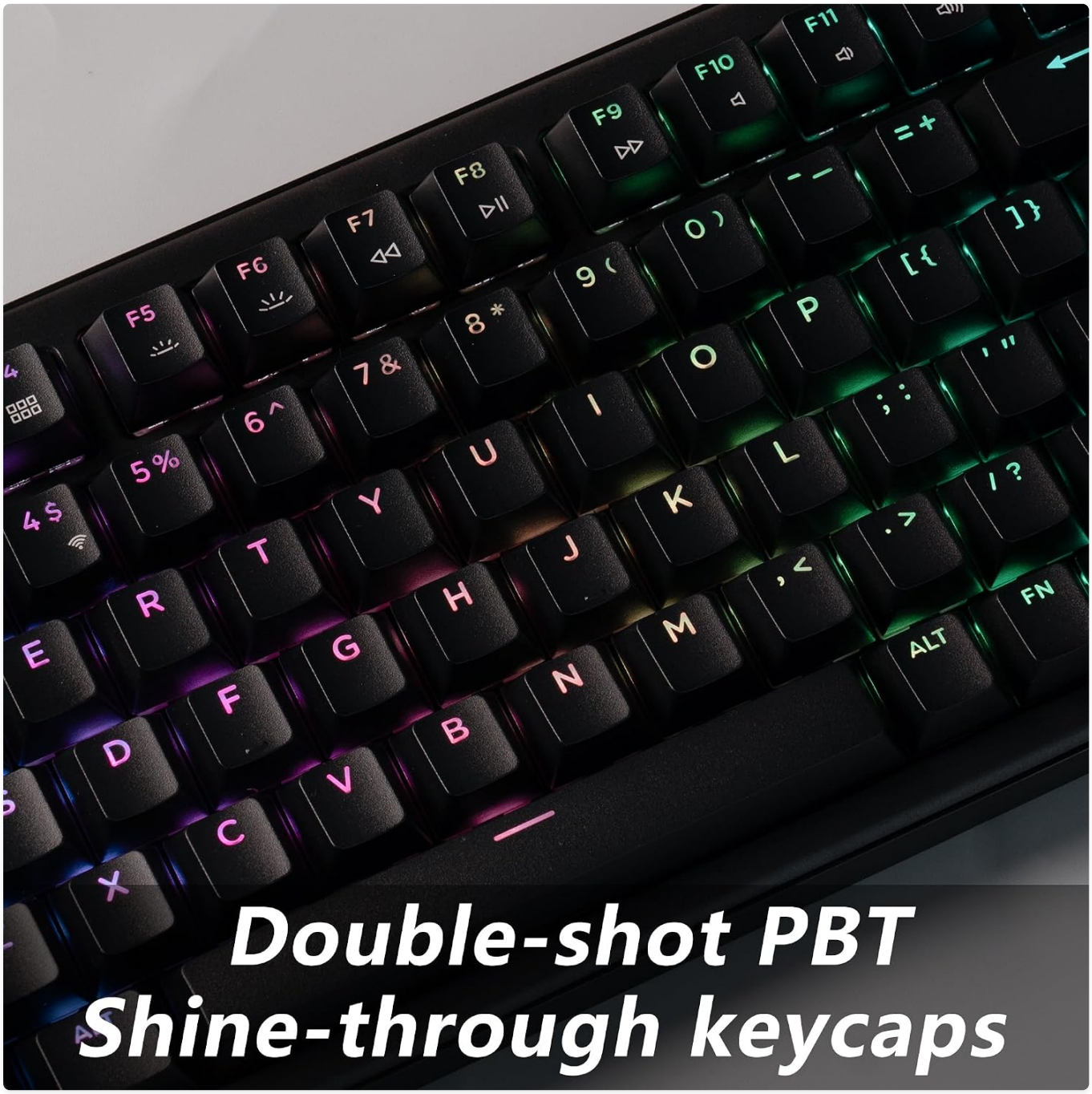

Image: Close-up view of the adjustable tripod feet on the underside of the keyboard, allowing for two different typing angles.

3.3 Connecting the Keyboard

The JamesDonkey J2 supports three connection modes: 2.4GHz wireless, Bluetooth 5.1, and wired USB-C.



Image: The USB-C port and the 2.4G/BT mode switch located on the keyboard.

3.3.1 2.4GHz Wireless Connection

1. Locate the 2.4GHz USB receiver, usually stored in a compartment on the keyboard.
2. Plug the USB receiver into an available USB port on your computer.
3. Slide the mode switch on the keyboard to the "2.4G" position.
4. The keyboard will automatically connect. The 2.4GHz indicator light will illuminate.

3.3.2 Bluetooth Connection

1. Slide the mode switch on the keyboard to the "BT" position.
2. Press and hold **Fn + 1**, **Fn + 2**, or **Fn + 3** for 3 seconds to enter pairing mode for the desired Bluetooth channel. The Bluetooth indicator light will flash rapidly.
3. On your device (computer, phone, tablet), enable Bluetooth and search for new devices.
4. Select "JamesDonkey J2" from the list of available devices.
5. Once connected, the Bluetooth indicator light will stop flashing and remain solid.
6. To switch between paired Bluetooth devices, press **Fn + 1**, **Fn + 2**, or **Fn + 3** briefly.

3.3.3 Wired USB-C Connection

1. Connect the provided USB-C cable to the keyboard's USB-C port.
2. Connect the other end of the cable to a USB port on your computer.
3. The keyboard will automatically switch to wired mode. No special driver installation is typically required.

4. Operating Instructions

4.1 Basic Key Functions

The J2 keyboard features a standard 75% layout with dedicated function keys and a customizable knob.

- **Function Row (F1-F12):** These keys perform their standard functions. Some may have secondary multimedia functions accessible via the **Fn** key.
- **Custom Knob:** By default, the knob controls volume (rotate) and mute/unmute (press). Its function can be customized via QMK/VIA software.
- **Indicator Lights:** Located near the Home/End keys, these lights indicate Caps Lock, Bluetooth connection status, and 2.4GHz connection status.



Image: Close-up of the indicator lights for Caps Lock, Bluetooth, and 2.4 GHz wireless connection, located above the Home/End keys.

4.2 Multimedia and Shortcut Keys (Fn Combinations)

Press and hold the **Fn** key, then press the corresponding key for multimedia control or system shortcuts:

Combination	Function
Fn + F1	Brightness Down
Fn + F2	Brightness Up
Fn + F3	Mission Control / Task View
Fn + F4	Search
Fn + F5	Keyboard Backlight Effects Cycle
Fn + F6	Keyboard Backlight Color Cycle
Fn + F7	Previous Track

Combination	Function
Fn + F8	Play/Pause
Fn + F9	Next Track
Fn + F10	Mute
Fn + F11	Volume Down
Fn + F12	Volume Up
Fn + Win	Lock/Unlock Windows Key

5. Customization

5.1 QMK/VIA Software Support

The JamesDonkey J2 keyboard supports QMK firmware and VIA software, allowing for extensive customization of key assignments, macros, and lighting effects. You can remap any key, create complex macros, and configure multiple layers for different uses.

To customize your keyboard, visit the official Keychron Launcher web app (or the specific JamesDonkey VIA configurator if available). Ensure your keyboard is connected via USB-C for software configuration.



Image: Screenshot of the QMK/VIA software interface, demonstrating the ability to customize key layouts and functions.

5.2 RGB Backlighting

The J2 keyboard features vibrant RGB backlighting with multiple effects and customizable colors. The shine-through double-shot PBT keycaps ensure that the legends are clearly illuminated.

- **Changing Effects:** Use **Fn + F5** to cycle through various pre-programmed RGB lighting effects.
- **Changing Colors:** Use **Fn + F6** to cycle through different static colors or color palettes for certain effects.
- **Brightness Adjustment:** Use **Fn + F1** (Brightness Down) and **Fn + F2** (Brightness Up) to adjust the intensity of the backlighting.



Image: The JamesDonkey J2 keyboard showcasing its vibrant RGB backlighting through the shine-through PBT keycaps.

6. Maintenance

6.1 Cleaning the Keyboard

- Disconnect the keyboard from your computer before cleaning.
- Use a can of compressed air to remove dust and debris from between the keycaps.
- For surface cleaning, gently wipe the keycaps and chassis with a soft, lint-free cloth dampened with a small amount of water or a mild, non-abrasive cleaning solution.
- Avoid spraying liquids directly onto the keyboard.

6.2 Keycap and Switch Replacement (if applicable)

If your J2 keyboard is the hot-swappable version, you can replace keycaps and switches. Use the provided keycap

puller to carefully remove keycaps and the switch puller to remove switches. Ensure proper alignment when inserting new switches to avoid bending pins.

7. Troubleshooting

Problem	Possible Cause / Solution
Keyboard not responding in wireless mode.	• Ensure the keyboard is charged. • Verify the mode switch is in the correct position (2.4G or BT). • For 2.4GHz, ensure the USB receiver is properly plugged in. • For Bluetooth, ensure the keyboard is paired and selected on your device. Try re-pairing. • Try connecting via USB-C cable to check if the keyboard functions in wired mode.
Keys are not registering or double-typing.	• Clean under the keycaps with compressed air. • If hot-swappable, ensure switches are fully seated. Try reseating or replacing the problematic switch. • Check for firmware updates via the QMK/VIA software.
RGB lighting is not working or stuck.	• Ensure the keyboard is charged. • Try cycling through lighting effects using Fn + F5. • Adjust brightness using Fn + F1/F2. • Reset keyboard settings via QMK/VIA software if possible.
QMK/VIA software not detecting keyboard.	• Ensure the keyboard is connected via USB-C cable. • Make sure the keyboard is in wired mode (if applicable). • Try a different USB port or cable. • Ensure your browser/system allows access to the web app.

8. Specifications

Detailed technical specifications for the JamesDonkey J2 keyboard:

Feature	Detail
Model	JamesDonkey J2

Feature	Detail
Layout	75% (82 Keys)
Connectivity	Tri-Mode: Bluetooth 5.1, 2.4GHz Wireless, USB-C Wired
Polling Rate	1000 Hz (2.4GHz & Wired)
Switches	Super Brown Switch (Mechanical)
Keycaps	Double-shot PBT, Shine-through
Backlighting	RGB (North-facing LEDs)
Mounting Style	Gasket Mount
Software Support	QMK/VIA (via Keychron Launcher web app)
Compatible OS	Windows, Linux, Mac OS
Battery	1 9V battery (included)
Item Weight	2.27 pounds
Package Dimensions	14.88 x 7.36 x 2.36 inches

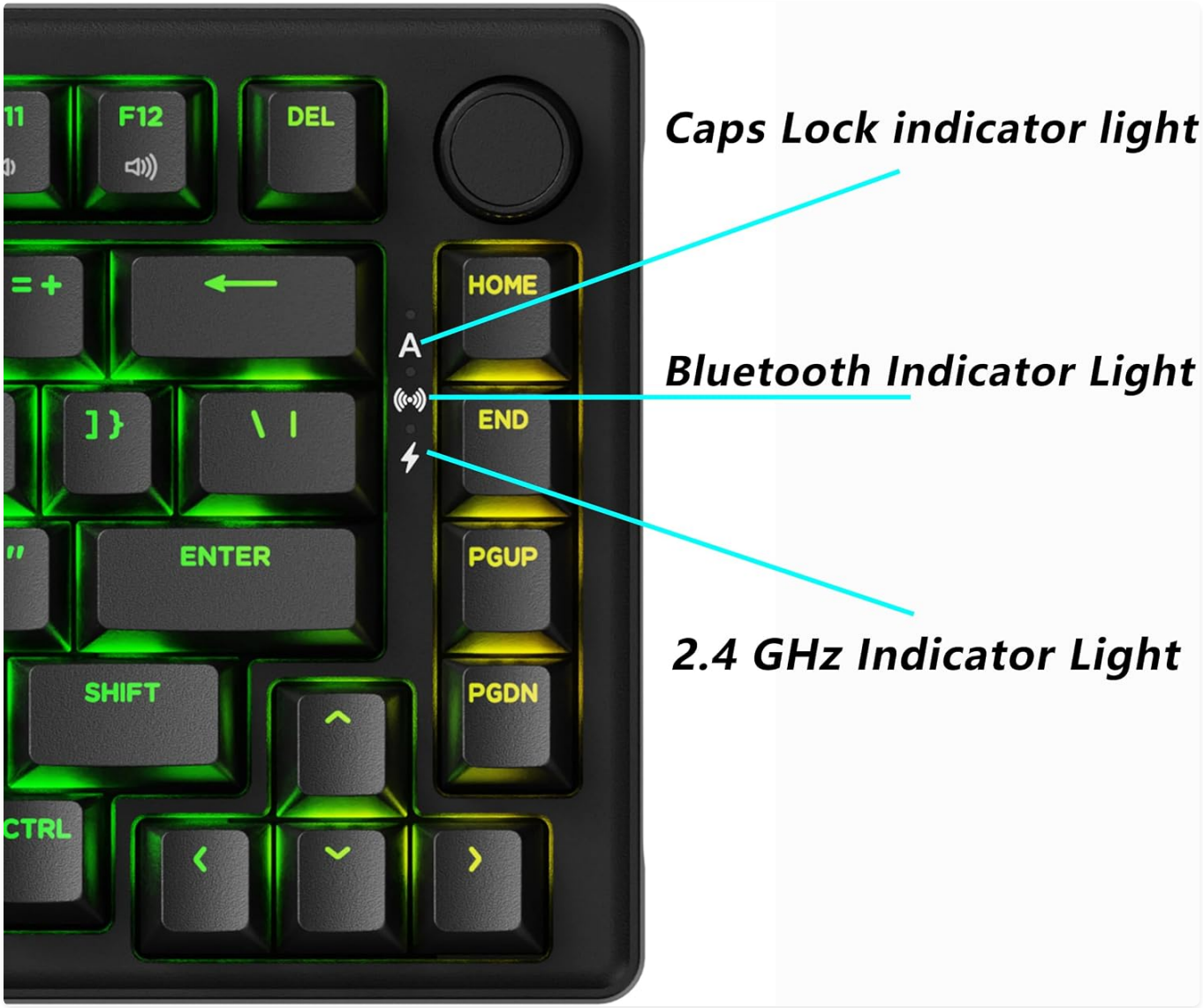

Image: An exploded diagram illustrating the internal components and layers of the JamesDonkey J2 keyboard, including the gasket mount structure, sound absorbing foam, and PCB.

9. Warranty and Support

9.1 Warranty Information

The JamesDonkey J2 keyboard comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official JamesDonkey website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or general inquiries, please contact JamesDonkey customer support through their official website or the contact information provided with your product. You may also find helpful resources and FAQs on the JamesDonkey store page on Amazon: JamesDonkey Store.

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