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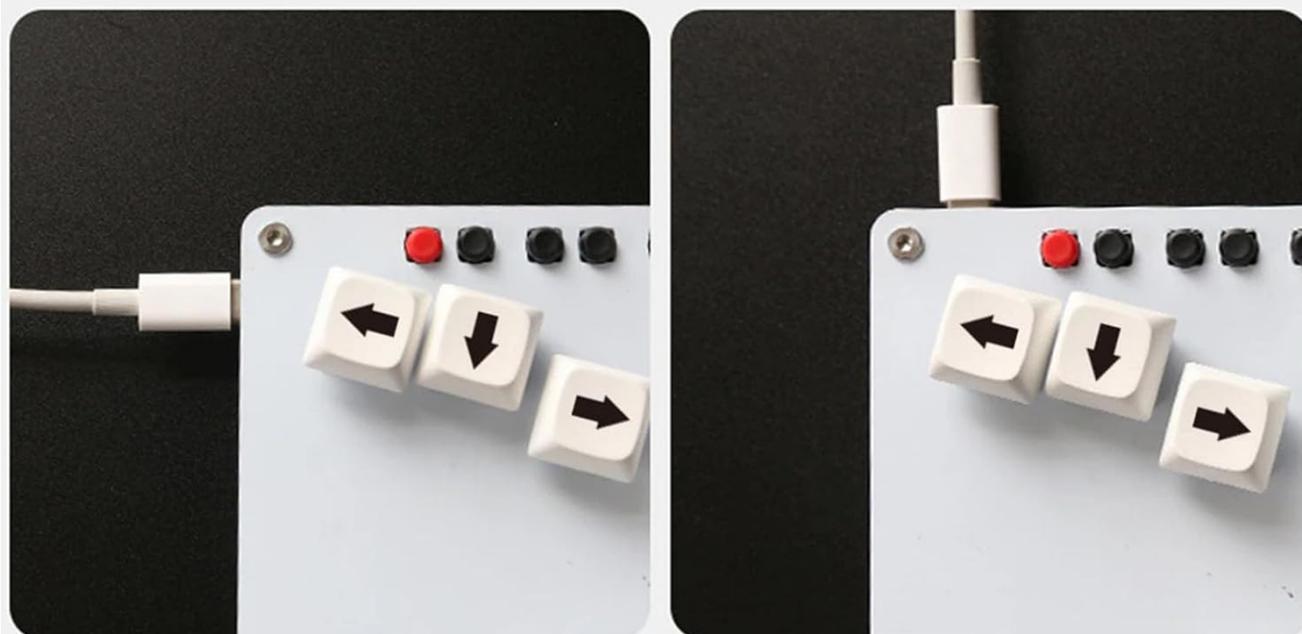
ciciglow Low Latency Fighting Box Keyboard User Manual

Model: ciciglowltzfxymruq

1. PRODUCT OVERVIEW

The ciciglow Fighting Box Keyboard is a high-performance gaming input device designed for fighting games. It is built around the RP2040 microcontroller, offering multi-compatibility, low latency, and a rich feature set. This device comes pre-installed with the latest stable GP2040 CEPicoFightingBoard firmware, ensuring optimal performance and a wide range of customizable options.

Key features include selectable input modes, emulation for left and right analog sticks via key inputs, a customizable startup boot screen, and easy image uploading through a web configuration interface. It also supports multiple SOCD (Simultaneous Opposing Cardinal Directions) cleaning modes and features a 128x64 Organic Light Emitting Diode (OLED) display for real-time status updates.



Left TYPEC PORT

TOP TYPEC PORT

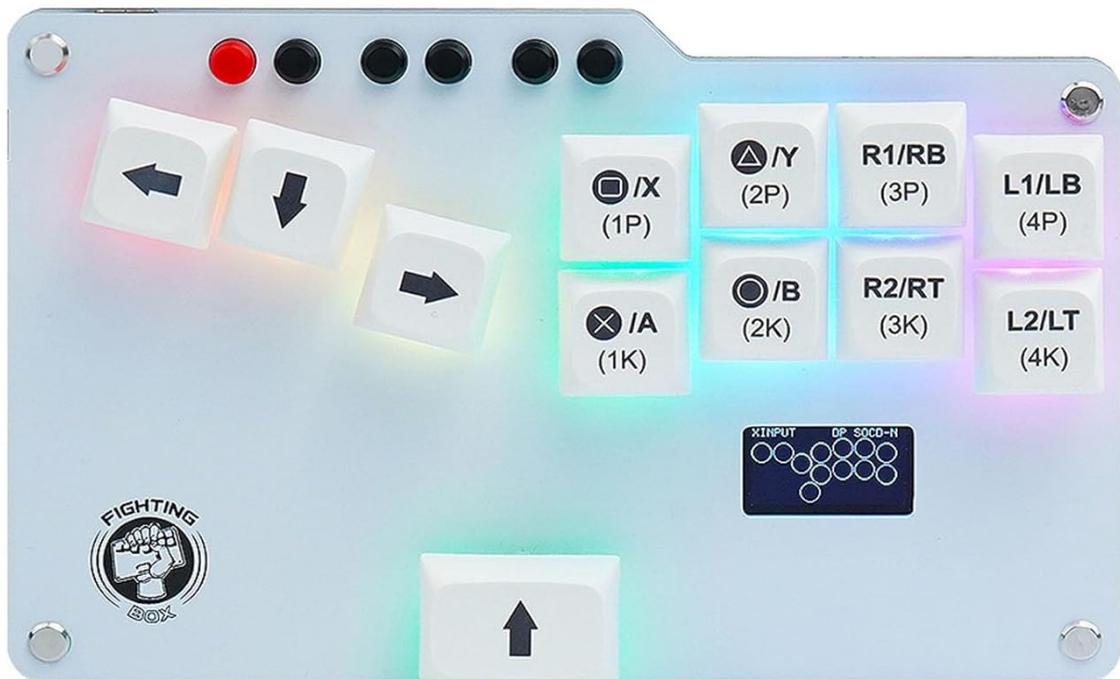
NOTE: Only one TYPEC line can be connected at a time

Figure 1: The ciciglow Fighting Box Keyboard, showcasing its compact design and button layout.

2. SETUP INSTRUCTIONS

To begin using your ciciglow Fighting Box Keyboard, follow these simple steps:

1. **Unpack the Device:** Carefully remove the keyboard and all accessories from its packaging.
2. **Connect Power/Data Cable:** Locate the included USB-C power cable. The keyboard features two USB-C input ports: one on the left side and one on the top. Connect the USB-C cable to either of these ports and then to your PC, console, or compatible device.



Cherry Red Silent Switch

Figure 2: USB-C port options. Only one USB-C connection should be active at a time.

3. **Initial Power On:** Once connected, the device should power on automatically. The 128x64 OLED display will show the current input mode and other status information.
4. **Install Foot Pads (Optional):** For enhanced stability during use, apply the included foot pads to the underside of the keyboard.



Figure 3: Package contents, including the USB-C cable, key puller, and foot pads.

3. OPERATING INSTRUCTIONS

3.1 Input Modes

The Fighting Box Keyboard supports multiple input modes for broad compatibility:

- **XInput:** Standard input for PC games and Xbox controllers.
- **PS3:** Compatible with PlayStation 3 consoles.
- **PS4:** Compatible with PlayStation 4 consoles.
- **Keyboard:** Functions as a standard keyboard input device.

The current input mode is displayed on the 128x64 OLED screen. Refer to the device's web configuration interface for instructions on how to switch between modes.

3.2 SOCD Cleaning Modes

SOCD cleaning prevents conflicting directional inputs, which is crucial for competitive play. The device offers the following

modes:

- **Neutral:** Both opposing directions cancel each other out, resulting in no input.
- **Up Priority:** If Up and Down are pressed simultaneously, Up takes priority.
- **Second Input Priority:** The last directional input pressed takes priority.

The active SOCD mode is indicated on the OLED display. Configuration of SOCD modes is typically done via the web configuration interface.



Figure 4: OLED display showing current input mode (XINPUT), continuous speed (T15), direction mode (DP), and SOCD mode (SOCD-N for Neutral).

3.3 Button Layout and Emulation

The keyboard features a standard fighting game button layout. Directional inputs are handled by the WASD-style keys. Action buttons are clearly labeled with their corresponding PlayStation and Xbox equivalents (e.g., ○/X (1P), △/Y (2P), R1/RB (3P), L1/LB (4P), ●/B (2K), R2/RT (3K), L2/LT (4K)).

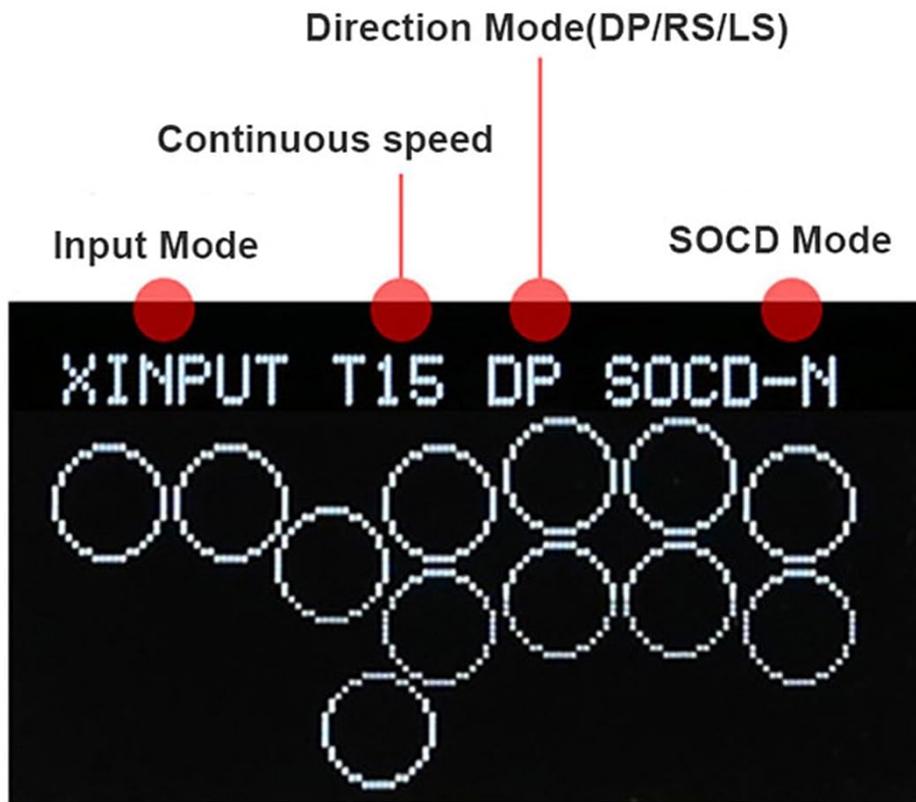


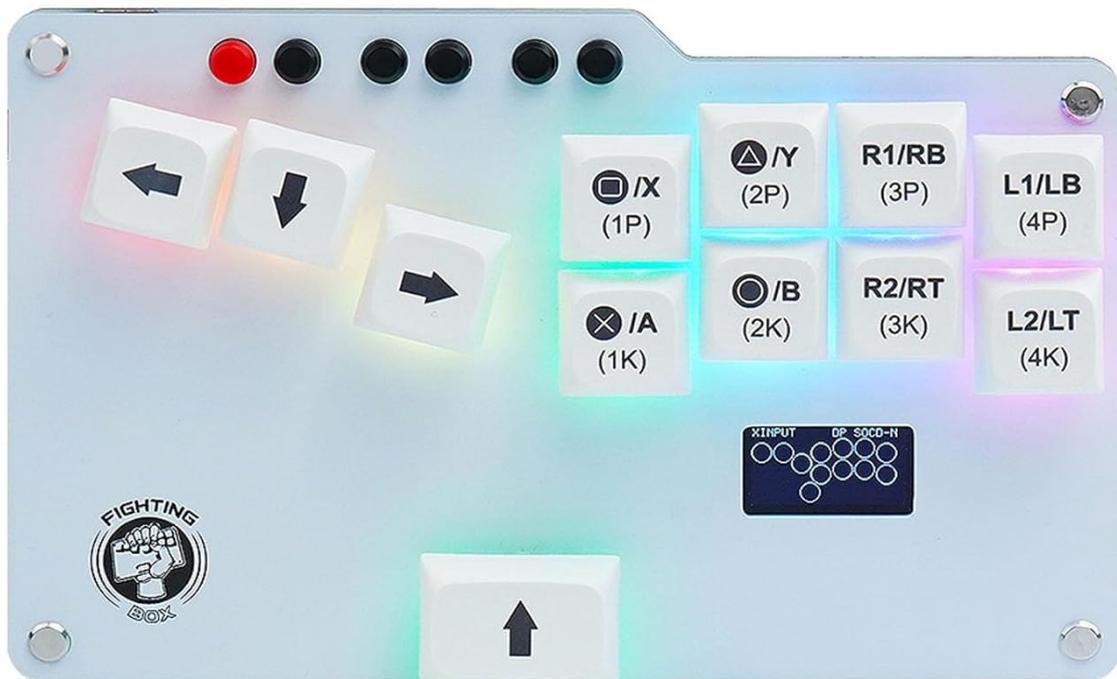
Figure 5: Button layout of the Fighting Box Keyboard.

The device allows for left and right analog stick emulation through specific key inputs. Consult the GP2040-CE firmware documentation or the web configuration for details on how to activate and use this feature.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Fighting Box Keyboard.

- **Cleaning:** Use a soft, dry cloth to wipe down the surface of the keyboard. Avoid using harsh chemicals or abrasive materials. For cleaning between keycaps, a can of compressed air can be used.
- **Key Switch Replacement:** The keyboard uses mechanical key switches (e.g., Cherry Red Silent Switches). If a switch needs replacement, use the provided key puller tool to carefully remove the keycap and then the switch. Ensure the replacement switch is compatible.
- **Storage:** When not in use, store the keyboard in a clean, dry environment away from direct sunlight and extreme temperatures.



Cherry Red Silent Switch

Figure 6: Example of a Cherry Red Silent Switch, indicating the type of mechanical switch used.

5. TROUBLESHOOTING

If you encounter issues with your ciciglow Fighting Box Keyboard, consider the following troubleshooting steps:

- **Device Not Responding:** Ensure the USB-C cable is securely connected to both the keyboard and your host device. Try using a different USB-C port or cable.
- **Incorrect Inputs:** Verify that the correct input mode (XInput, PS3, PS4, Keyboard) is selected for your gaming platform. This can usually be checked and changed via the web configuration interface.
- **Display Not Working:** Check the USB connection. If the display remains blank, consult the GP2040-CE firmware documentation for display-specific troubleshooting.
- **Firmware Issues:** If you suspect a firmware problem, refer to the official GP2040-CE documentation for instructions on how to reflash or update the firmware.

For further assistance, please refer to the manufacturer's support resources or the official GP2040-CE community forums.

6. SPECIFICATIONS

Item Type	Fighting Box Keyboard
Material	ABS
Product Size	Approx. 15.6 x 9.7 x 2.3 cm (6.1 x 3.8 x 0.9 in)
Controller	RPi Pico GP2040 (RP2040)
Input Port	2x USB-C
Display	128x64 Organic Light Emitting Diode (OLED)
Latency	Less Than 1 ms
Selectable Input Modes	XInput, PS3, PS4, Keyboard
SOCD Cleaning Modes	Neutral, Up Priority, Second Input Priority
Mechanical Key Switches	Red Silent Cherry (type)
Compatibility	PC, PS3, PS4, SteamDeck, MiSTerFPGA, Android
Model Number	ciciglowtzfxyvmruq
Item Weight	10.6 ounces
Package Dimensions	8.74 x 5.59 x 1.97 inches; 10.58 ounces
Manufacturer	ciciglow
Date First Available	October 13, 2023

Note: All data are measured manually, and there may be minor variations in measurement results.

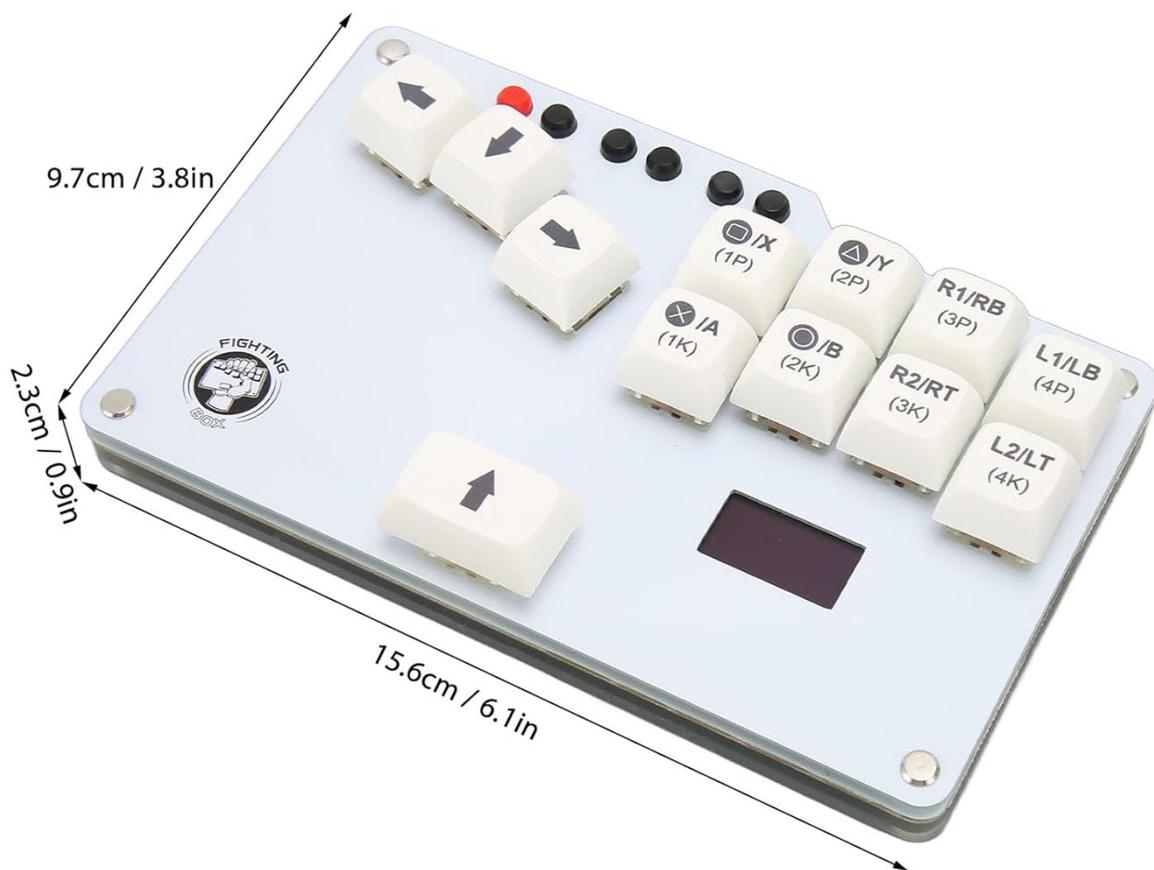


Figure 7: Product dimensions of the Fighting Box Keyboard.

7. WARRANTY AND SUPPORT

Information regarding product warranty and specific support contacts is not provided within this manual. For warranty details, technical support, or service inquiries, please refer to the official ciciglow website or contact the retailer from whom the product was purchased. You may also find community support and resources related to the GP2040-CE firmware online.