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› 8BitDo Ultimate C 2.4g Wireless Controller Instruction Manual

8Bitdo 81HC

8BitDo Ultimate C 2.4g Wireless Controller Instruction Manual

Model: 81HC

INTRODUCTION

Thank you for choosing the 8BitDo Ultimate C 2.4g Wireless Controller. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your new controller. Designed for seamless compatibility and reliable performance, this controller enhances your gaming experience across multiple platforms.

PACKAGE CONTENTS

Please verify that all items are present in your package:

- 8BitDo Ultimate C 2.4g Wireless Controller
- 2.4G Wireless Adapter
- USB Charging Cable
- Rechargeable Battery (pre-installed)
- Instruction Manual



Image: The 8BitDo Ultimate C 2.4g Wireless Controller in green, shown alongside its matching 2.4G wireless adapter.

SPECIFICATIONS

Feature	Description
Model Number	81HC
Connectivity	Wireless 2.4G, USB Wired
Compatibility	Windows 10 and above, Android 9.0 and above, Raspberry Pi, Steam Deck
Battery Life	Up to 25 hours on a single charge
Weight	10.9 ounces

Special Features	Analog triggers, Rumble vibration, Turbo function, Anti-slip texture
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SETUP

2.4G Wireless Connection (Plug-and-Play)

1. Insert the 2.4G wireless adapter into an available USB port on your Windows PC, Android device (with OTG support), Steam Deck, or Raspberry Pi.
2. Turn on the controller by pressing the 8BitDo logo button. The controller will automatically connect to the adapter.
3. The LED indicator on the controller will become solid when successfully connected.



Image: A hand inserting the 2.4G wireless adapter into a laptop's USB port, demonstrating the plug-and-play setup.

USB Wired Connection

1. Connect one end of the USB charging cable to the controller's USB-C port.
2. Connect the other end of the USB cable to an available USB port on your device.
3. The controller will automatically be recognized and ready for use.

OPERATING INSTRUCTIONS

Buttons and Controls

The controller features a standard layout for intuitive gameplay:

- **Analog Sticks:** Two clickable analog sticks for precise 360-degree movement.
- **D-Pad:** A responsive directional pad for accurate input in retro games and menus.
- **Face Buttons (A, B, X, Y):** Standard action buttons.
- **Shoulder Buttons (LB, RB):** Top-mounted buttons.
- **Analog Triggers (LT, RT):** Pressure-sensitive triggers for nuanced control.
- **Function Buttons:** Start, Select, Home (8BitDo logo), and additional function buttons.



Image: Back view of the controller, highlighting the textured grips and the USB-C port.



Image: Top view of the controller, showing the shoulder buttons, analog triggers, and USB-C port.

Turbo Function

The controller supports a turbo function for rapid button presses:

1. Press and hold the button you wish to set to turbo.
2. While holding the button, press the Star button (located near the Home button). The button will now continuously register input when held down.
3. To disable turbo, repeat the process: press and hold the turbo-enabled button, then press the Star button again.

Rumble Vibration

Experience immersive feedback with the built-in rumble vibration. This feature is automatically enabled when supported by the game.



Image: A visual representation of the controller's rumble vibration feature, showing a ripple effect emanating from the controller.

COMPATIBILITY

The 8BitDo Ultimate C 2.4g Wireless Controller offers broad compatibility:

- **Windows PC:** Compatible with Windows 10 and above.
- **Android:** Compatible with Android 9.0 and above.
- **Steam Deck:** Fully supported for an enhanced portable gaming experience.
- **Raspberry Pi:** Compatible with Raspberry Pi OS, Lakka, RetroPie, Recalbox, Batocera.



Image: Two 8BitDo Ultimate C controllers (green and purple) displayed with a laptop, tablet, and smartphone, illustrating multi-device

compatibility.



Image: Icons visually confirming compatibility with Windows, Android, SteamOS, and Raspberry Pi operating systems.

OPERATING MODES

The controller supports different input modes depending on the connected device. The default mode is X-Input, which is ideal for Windows PCs. To switch modes, hold down the corresponding button while plugging in the controller:

- **X-Input Mode (Default for PC):** Hold down the 'X' button while connecting the controller.
- **Direct Input Mode (for Android/Raspberry Pi):** Hold down the 'B' button while connecting the controller.

Note: Mode switching is performed during connection and cannot be changed while the controller is already connected.

MAINTENANCE

Charging the Battery

The controller features a built-in rechargeable battery. To charge:

1. Connect the USB charging cable to the controller's USB-C port.
2. Plug the other end into a USB power source (e.g., computer USB port, USB wall adapter).
3. The LED indicator will show charging status and turn off when fully charged. A full charge provides up to 25 hours of playtime.

Cleaning

To clean your controller, use a soft, dry cloth. Avoid using harsh chemicals or abrasive materials that could damage the surface.

TROUBLESHOOTING

- **Controller not connecting:**

- Ensure the 2.4G wireless adapter is securely plugged into a working USB port.
- Make sure the controller is powered on.
- Verify that the correct operating mode is selected by holding the appropriate button (X for PC, B for Android/Raspberry Pi) while plugging in the controller.
- Try a different USB port or restart your device.

- **Input lag or disconnection:**

- Ensure the controller is within range of the 2.4G wireless adapter.
- Minimize interference from other wireless devices.
- Ensure the controller is fully charged.

- **Buttons or sticks not responding:**

- Ensure the controller is properly connected.
- Check for any physical obstructions or debris around the buttons/sticks.
- Update controller firmware if available (check 8BitDo's official website).

WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official 8BitDo website or contact their customer service. Keep your proof of purchase for any warranty claims.

Your browser does not support the video tag.

Video: Official product video from SHENZHEN ONEBITDO TECH CO.,LTD. showcasing the 8BitDo Ultimate C 2.4G Wireless Controller for PC, demonstrating its features and connectivity.

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Example: How do I reset this device or fix this error?

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