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## 8Bitdo Ultimate 2 Wireless Controller

# 8Bitdo Ultimate 2 Wireless Controller User Manual

Model: Ultimate 2 Wireless Controller

## 1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your 8Bitdo Ultimate 2 Wireless Controller. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

## 2. COMPATIBILITY

The 8Bitdo Ultimate 2 Wireless Controller is designed for broad compatibility across various platforms:

- **Windows PC:** Compatible with Windows 10 (version 1903) and above. Supports 2.4G wireless and wired connections.
- **Android:** Compatible with Android 9.0 and above. Supports Bluetooth wireless connection.
- **SteamOS:** Compatible with SteamOS 3.7.13 or above.
- **Apple Devices:** Compatible with Apple iOS 16 and above, Apple iPadOS 16 and above, Apple tvOS 16 and above, Apple macOS 12 and above, Apple visionOS 16 and above.



Image: The controller displaying its compatibility with Windows and Android operating systems.

## 3. SETUP

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### 3.1 Package Contents

Ensure all items are present in the package:

- 8Bitdo Ultimate 2 Wireless Controller
- Charging Dock
- 2.4G Adapter (USB-C)
- USB Cable
- Instruction Manual (this document)



Image: An overview of the controller, charging dock, 2.4G adapter, and USB cable included with the product.

### 3.2 Initial Charging

Before first use, fully charge the controller using the included USB cable and charging dock. Connect the USB cable to the charging dock and a power source. Place the controller onto the dock to begin charging. The controller features a 1000mAh battery.



Image: The controller being placed on its dedicated charging dock for power replenishment.

### 3.3 Connecting the Controller

The controller supports three connection modes: 2.4G Wireless, Bluetooth Wireless, and Wired.

#### 3.3.1 2.4G Wireless Connection (for Windows PC)

1. Locate the 2.4G USB-C adapter. It is typically stored within the charging dock.
2. Plug the 2.4G adapter into an available USB port on your Windows PC.
3. The controller will automatically connect to the adapter. The 2.4G connection offers an ultra-low latency of less than 1ms and a stable range of 10 meters.



Image: The 2.4G USB-C adapter, which can be stored in the charging dock, ready for connection to a PC.

### 3.3.2 Bluetooth Wireless Connection (for Android)

1. Ensure Bluetooth is enabled on your Android device.
2. On the controller, press and hold the Bluetooth pairing button (refer to controller diagram for location) until the indicator light flashes rapidly.
3. On your Android device, search for new Bluetooth devices and select "8Bitdo Ultimate 2" to pair.

### 3.3.3 Wired Connection (for Windows PC)

Connect the controller directly to your Windows PC using the provided USB-C cable. The controller will be recognized automatically.

## 4. OPERATING THE CONTROLLER

### 4.1 TMR Joysticks

The controller is equipped with TMR joysticks, offering enhanced sensitivity, greater precision, and improved durability. These joysticks contribute to a smooth and responsive gaming experience.

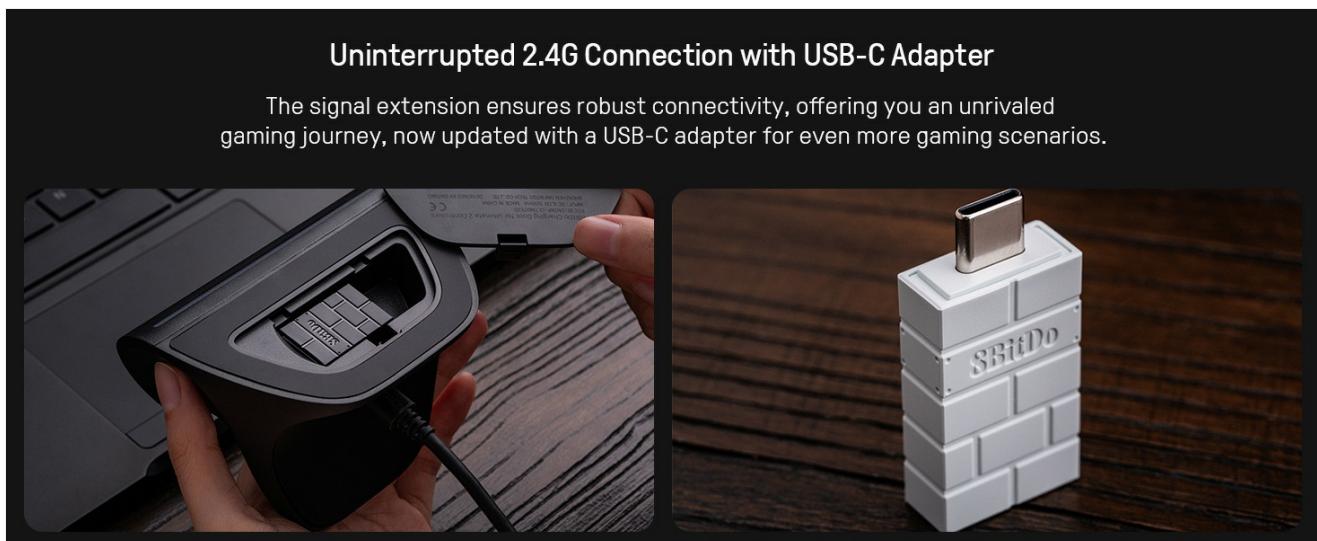


Image: A close-up view highlighting the TMR joysticks with their illuminated Star-Ring RGB lights.

### 4.2 Hall Effect Triggers & Mode Switching

Easily switch between linear Hall Effect triggers and non-linear tactile triggers using the mode switch located on the back of the controller. This allows for optimal control across different gaming scenarios, such as racing or shooting games.

Compatibility	Dimension / Weight	Includes
<ul style="list-style-type: none"> <li>· Windows 10 (1903) or above</li> <li>· Android 13.0 or above</li> <li>· SteamOS 3.7.13 or above</li> <li>· Apple iOS 26 and above</li> <li>· Apple iPadOS 26 and above</li> <li>· Apple tvOS 26 and above</li> <li>· Apple macOS 26 and above</li> <li>· Apple visionOS 26 and above</li> </ul>	<ul style="list-style-type: none"> <li>· 147*103*61.3 mm</li> <li>· 246g</li> </ul>	<ul style="list-style-type: none"> <li>· 8BitDo Ultimate 2 Wireless Controller</li> <li>· Charging dock</li> <li>· 2.4G adapter</li> <li>· USB cable</li> <li>· Instruction manual</li> </ul>



Windows



Android



SteamOS



Apple

Image: A detailed view of the switch mechanism for changing between Hall Effect and tactile trigger modes.

#### 4.3 Programmable Back Buttons and Bumpers

The controller features two Pro back paddle buttons and extra R4/L4 bumpers. These can be customized for personalized configurations, allowing for quicker reactions and enhanced control in games. Customization is managed through the 8Bitdo Ultimate Software V2.



Image: The R4 and L4 bumper buttons, designed for quick access and remapping.

#### 4.4 6-Axis Motion Control & Rumble Vibration

Experience enhanced motion-based actions with the customizable 6-axis motion control. The controller also includes turbo function and rumble vibration for immersive feedback during gameplay.

##### Hall Effect Triggers & Mode Switching

Easily switch between linear Hall Effect triggers and non-linear tactile triggers for optimal control across different gaming scenarios.



Image: The controller in use, demonstrating the 6-axis motion control feature during gameplay.

#### 4.5 RGB Fire Ring & Interactive Light-tracing

The joysticks feature Star-Ring RGB lights with interactive light-tracing. Adjust between multiple light modes to

personalize your controller and enhance real-time visual effects while gaming.



Image: The controller's joysticks illuminated by the customizable RGB Fire Ring.

## 4.6 8Bitdo Ultimate Software V2

Utilize the 8Bitdo Ultimate Software V2 for comprehensive customization of your controller. This software allows you to remap buttons, adjust joystick sensitivity, fine-tune trigger dead zones, and manage RGB lighting effects.

## 5. MAINTENANCE

### 5.1 Battery Information

The controller is equipped with a 1000mAh battery, providing approximately 15-28 hours of play time on a 3-hour fast charge. For optimal battery life, avoid extreme temperatures and store the controller in a cool, dry place.

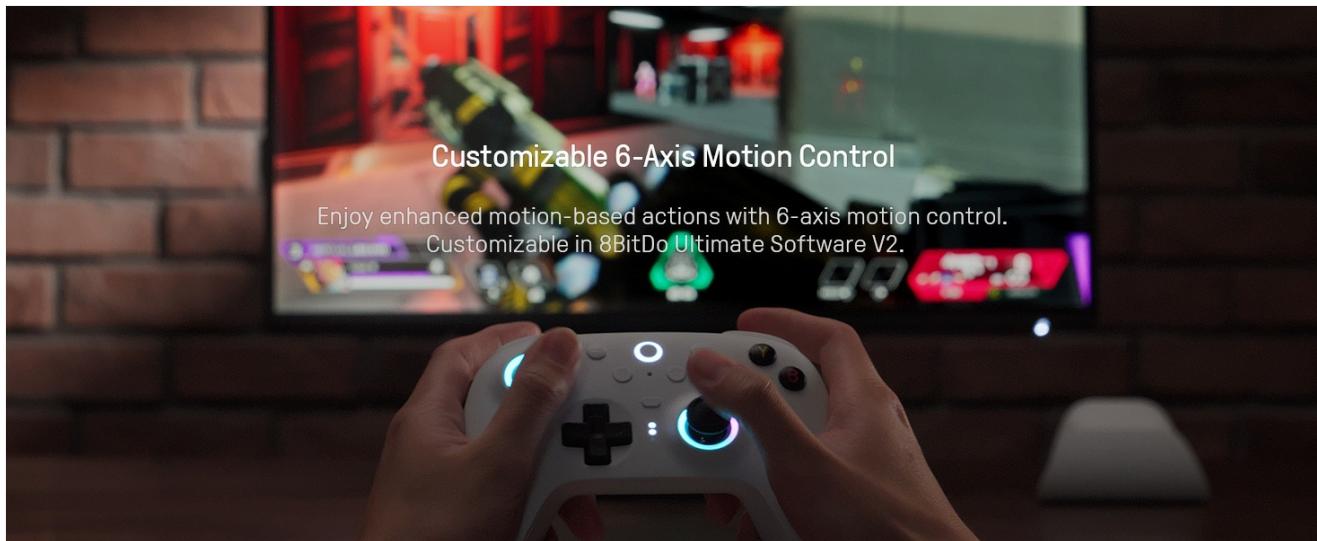


Image: Details on the controller's 1000mAh battery, including charge time and play duration.

### 5.2 Cleaning

To clean the controller, use a soft, dry cloth. Avoid using harsh chemicals or abrasive materials, as these can damage the surface.

## 6. TROUBLESHOOTING

If you encounter issues with your 8Bitdo Ultimate 2 Wireless Controller, consider the following:

- **Connection Issues:** Ensure the 2.4G adapter is securely plugged in for wireless PC connection, or that Bluetooth is properly paired for Android. For wired connection, verify the USB-C cable is connected correctly.
- **Unresponsive Buttons/Joysticks:** Check if the controller battery is charged. If using wirelessly, try a wired connection to rule out wireless interference.
- **Software Problems:** Ensure you have the latest version of the 8Bitdo Ultimate Software V2 installed and that the controller firmware is up to date.
- **Charging Problems:** Verify the charging dock and USB cable are properly connected to a power source.

For further assistance, please visit the official 8Bitdo support website.

## 7. SPECIFICATIONS

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Feature	Detail
Model	Ultimate 2 Wireless Controller
Connectivity	2.4G Wireless, Bluetooth Wireless, USB-C Wired
Compatibility	Windows (10+), Android (9.0+), SteamOS (3.7.13+), Apple (iOS 26+, iPadOS 26+, tvOS 26+, macOS 26+, visionOS 26+)
Polling Rate	1000Hz (2.4G & Wired)
Joysticks	TMR Joysticks
Triggers	Hall Effect Triggers (switchable to tactile)
Special Features	2 Pro back paddle buttons, R4/L4 bumpers, 6-axis motion control, Turbo function, Rumble vibration, RGB Fire Ring, 8Bitdo Ultimate Software V2 support
Battery	1000mAh (1 A battery included)
Charging Time	Approx. 3 hours
Play Time	Approx. 15-28 hours
Dimensions	147 x 103 x 61.3 mm (5.79 x 4.06 x 2.41 inches)
Weight	1.41 pounds (approx. 640g)

## 8. WARRANTY AND SUPPORT

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For warranty information, technical support, and frequently asked questions, please visit the official 8Bitdo website or contact their customer service directly. Keep your purchase receipt for warranty claims.