

8Bitdo 6922621507086

8Bitdo Ultimate 2 Bluetooth Controller Instruction Manual

Model: 6922621507086

INTRODUCTION

The 8Bitdo Ultimate 2 Bluetooth Controller is a flagship, fully upgraded controller designed for next-level performance across multiple platforms. Compatible with Nintendo Switch, Switch 2, and Windows PC, it offers versatile connectivity options including Bluetooth, 2.4G, and wired USB. Featuring advanced TMR Joysticks for enhanced precision and durability, switchable Hall Effect/Tactile Triggers, and comprehensive customization options via the 8Bitdo Ultimate Software V2, this manual provides detailed instructions for setup, operation, and maintenance to ensure optimal gaming experience.

WHAT'S IN THE BOX

- 8Bitdo Ultimate 2 Bluetooth Controller
- Multi-functional Charging Dock
- 2.4G USB-C Adapter
- USB-A to USB-C Cable (3.3 ft)
- Quick Start Guide



Image: The 8Bitdo Ultimate 2 Bluetooth Controller packaging, showing the controller, charging dock, and included accessories.

PRODUCT OVERVIEW

Controller Layout



Image: Front view of the 8Bitdo Ultimate 2 Bluetooth Controller, highlighting the face buttons (A, B, X, Y), D-pad, analog sticks, and central function buttons.



Image: Back view of the 8Bitdo Ultimate 2 Bluetooth Controller, showing the remappable back buttons (PR, PL), wireless mode switch, and charging contacts.

Key Features

- **TMR Joysticks:** Offering higher sensitivity, greater precision, and enhanced durability, complete with an RGB Fire Ring and wear-resistant joystick rings.
- **Trigger Mode Switch:** Easily switch between linear Hall Effect triggers and non-linear tactile triggers for optimal control across different gaming scenarios.
- **Vibration and Motion Control:** Supported for Switch only.
- **Turbo Function:** For rapid button presses.
- **Pro-level Back Buttons:** Two remappable back buttons (PR, PL) and extra R4/L4 bumpers for advanced control.
- **Tactile Bumpers and D-pad:** Providing satisfying feedback.
- **Integrated Charging Dock:** Keeps your controller always charged and ready to play, automatically reconnects when removed from the dock.
- **Wake-on-shake:** (Switch 2 wake-up function not supported).

SETUP

Connectivity Modes

The 8Bitdo Ultimate 2 Bluetooth Controller supports three connection modes:

1. **Bluetooth:** Compatible with Switch/Switch 2 and Windows PC.
2. **2.4G Wireless:** Use the included USB-C adapter for Switch/Switch 2 and Windows PC. The adapter is conveniently stored within the charging dock.
3. **Wired USB:** Connect directly via the USB-C cable for Switch/Switch 2 and Windows PC. This mode also allows for charging while playing.

Initial Pairing

Refer to the Quick Start Guide for specific pairing instructions for your desired platform. Generally, you will need to select the appropriate mode on the controller's back switch and initiate pairing through your device's settings.

Firmware Update

It is recommended to update the controller's firmware to the latest version for optimal performance and compatibility, especially with newer systems like the Switch 2. Download the 8Bitdo Ultimate Software V2 from the official 8Bitdo website. Connect your controller via USB to your PC and follow the software's instructions to update the firmware.

OPERATING INSTRUCTIONS

Charging

Place the controller on the multi-functional charging dock. The dock features an LED bar that indicates charging status. The controller can also be charged directly via a USB-C cable.

Trigger Mode Switching

Use the physical switches on the back of the controller to toggle between linear Hall Effect triggers (for analog control, ideal for racing games) and tactile clicky triggers (for quick actuation, ideal for shooters). Note that analog triggers are primarily supported on PC, as the Switch platform does not fully support this feature.

Wake-on-Shake

For compatible devices (e.g., original Switch), simply shake the controller to wake up the console. Note: Switch 2 wake-up function is not supported.

CUSTOMIZATION

The 8Bitdo Ultimate Software V2 allows for extensive customization of your controller:

- **Button Mapping:** Remap any button to your preference.
- **Macro Creation:** Record and assign complex button sequences to single inputs.
- **Stick & Trigger Adjustment:** Fine-tune dead zones and sensitivity for joysticks and triggers.
- **Vibration Control:** Adjust the intensity of haptic feedback.
- **RGB Lighting:** Customize the RGB Fire Ring on the TMR Joysticks with various modes (Fire Ring, Light-tracing, Rainbow Ring) and adjust color, brightness, and speed.
- **Custom Profiles:** Save up to 3 custom profiles for different games or preferences and switch between them easily.

using the profile button on the controller.

MAINTENANCE

To ensure the longevity and optimal performance of your 8Bitdo Ultimate 2 Bluetooth Controller, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the controller regularly. For stubborn grime, a slightly damp cloth can be used, but ensure no moisture enters the internal components.
- **Storage:** Store the controller in a cool, dry place away from direct sunlight and extreme temperatures. Utilizing the charging dock for storage is recommended to keep it charged and protected.
- **Battery Care:** Avoid fully depleting the battery frequently. For long-term storage, charge the battery to about 50% to prolong its lifespan.
- **Avoid Drops:** Protect the controller from drops and impacts, which can damage internal components or affect joystick calibration.

TROUBLESHOOTING

Issue	Possible Solution
Controller not connecting/pairing.	Ensure the correct mode (Bluetooth/2.4G) is selected on the back switch. Check device's Bluetooth settings. Perform a firmware update using 8Bitdo Ultimate Software V2.
Joystick drift or inaccurate input.	Recalibrate joysticks via the 8Bitdo Ultimate Software V2. Ensure the controller's firmware is up to date.
Controller not charging.	Verify the USB-C cable and power source are working. Ensure the controller is correctly seated on the charging dock's contacts.
Features (e.g., analog triggers) not working on Switch.	Some advanced features like analog triggers are primarily supported on PC due to platform limitations. Verify feature compatibility for your specific console.

SPECIFICATIONS

- **Model Number:** 6922621507086
- **Dimensions:** 3.94 x 3.94 x 0.79 inches
- **Weight:** 1.76 ounces
- **Connectivity:** Bluetooth 5.0, 2.4G Wireless (USB-C adapter), Wired USB
- **Compatibility:** Nintendo Switch, Nintendo Switch 2, Windows PC (Windows 10 (1903) and above)
- **Battery:** 1 Lithium Polymer battery (included), 1000mAh capacity (approx. 20-30 hours of use)
- **Polling Rate:** 1000Hz (wired)
- **Joysticks:** TMR Joysticks (anti-drift)
- **Triggers:** Switchable Hall Effect (linear) / Tactile (clicky)
- **Special Features:** Vibration, Motion Control (Switch only), Turbo function, 2 Pro-level back buttons, RGB lighting on joysticks, 3 custom profiles, Wake-on-shake (Switch only)

WARRANTY AND SUPPORT

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