

## 8BitDo<sup>®</sup> Ultimate 2 Bluetooth Controller



# 8BitDo Ultimate 2 Bluetooth Controller Instruction Manual

[Home](#) » [8Bitdo](#) » 8BitDo Ultimate 2 Bluetooth Controller Instruction Manual 

### Contents

- [1 8BitDo Ultimate 2 Bluetooth Controller](#)
- [2 Specifications](#)
- [3 Controller Overview](#)
- [4 Setup Instructions](#)
- [5 Switch](#)
- [6 Windows](#)
- [7 Turbo Function](#)
- [8 L4/R4/PL/PR Buttons Configuration](#)
- [9 Light Effects](#)
- [10 Battery](#)
- [11 FAQ](#)
- [12 Documents / Resources](#)
  - [12.1 References](#)
- [13 Related Posts](#)

# 8BitDo<sup>®</sup>

**8BitDo Ultimate 2 Bluetooth Controller**



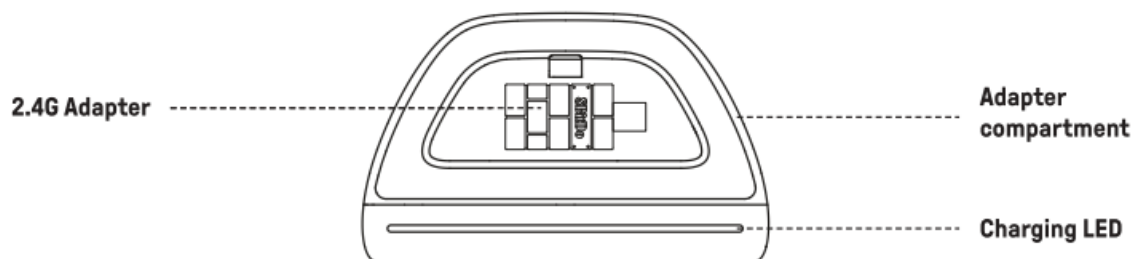
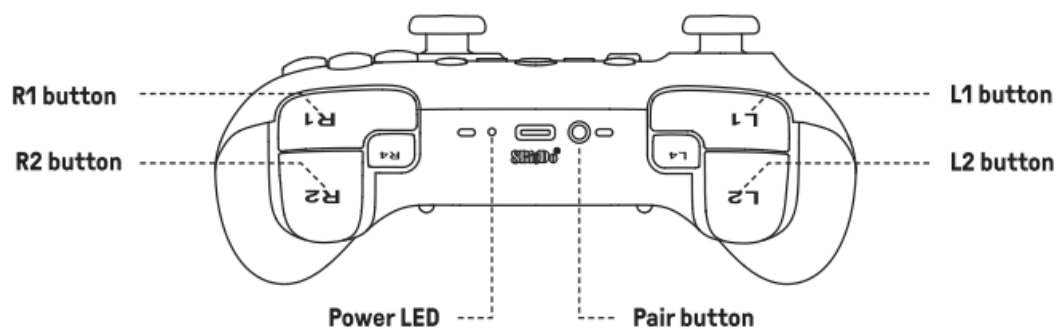
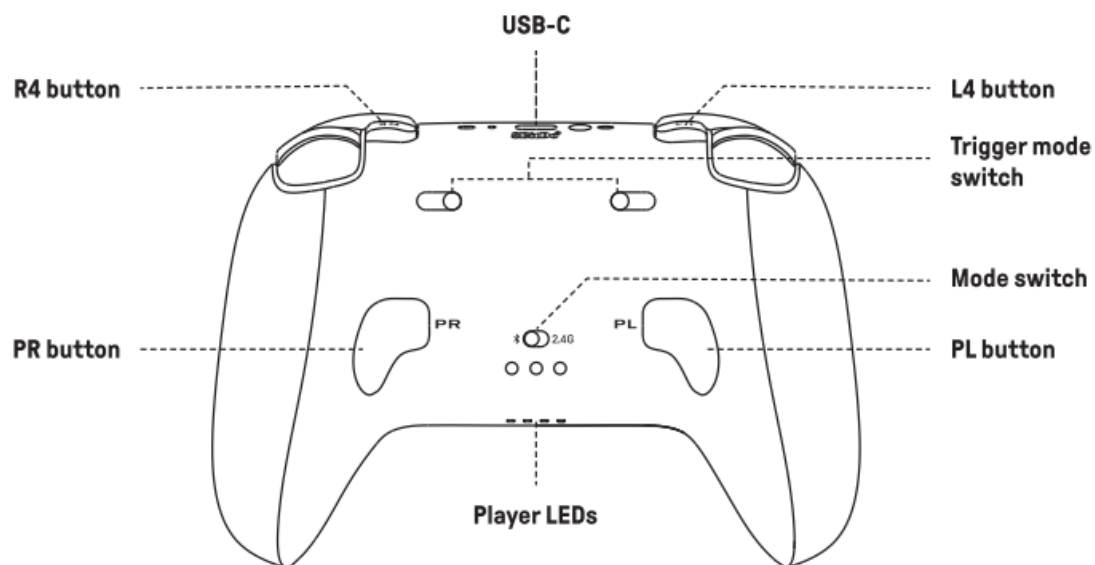
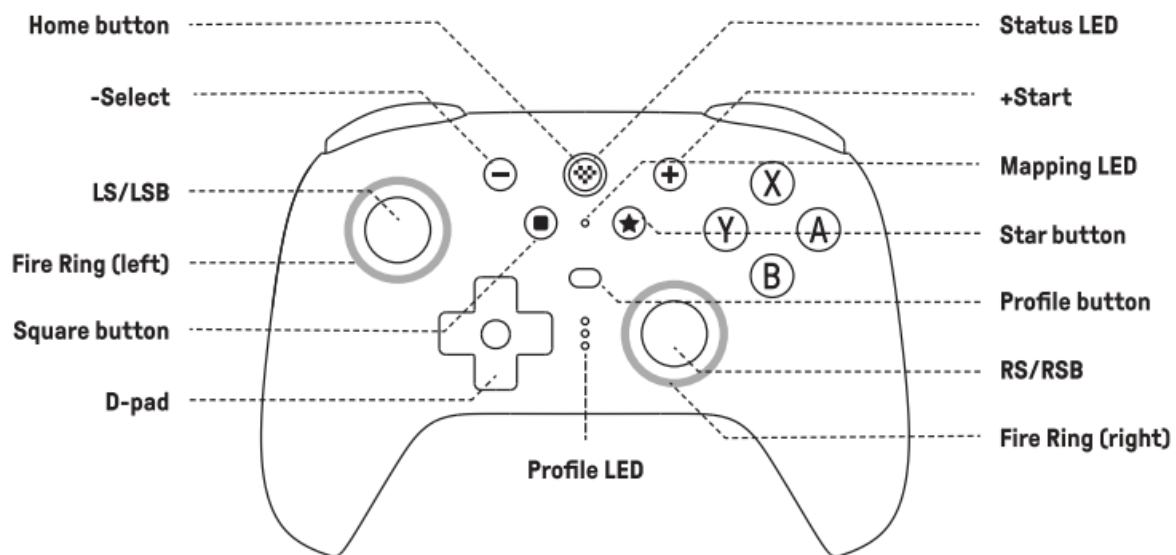
**Specifications**

Feature	Details
Connection	Wireless / Wired
Battery	Rechargeable Lithium-ion
Compatibility	Compatible with various gaming consoles and PCs

**Controller Overview**

The controller features a variety of buttons and joysticks for gaming control.

- Press the Home button to turn on the controller.
- Hold the Home button for 3 seconds to turn off the controller.
- Hold the Home button for 8 seconds to forced shutdown the controller.



The layout includes:

- Left Joystick
- Right Joystick
- Directional Pad (D-Pad)
- Action Buttons (A, B, X, Y)
- Shoulder Buttons (L, R)
- Trigger Buttons (ZL, ZR)
- Home Button
- Capture Button
- Plus (+) and Minus (-) Buttons

## Setup Instructions

1. Charge the controller using the provided USB cable.
2. Press the Home button to turn on the controller.
3. For wireless connection, press the sync button and pair with your device.
4. For wired connection, connect the controller to your device using the USB cable.

## Switch

- System requirement: 3.0.0 or above.
- NFC scanning, IR camera, HD rumble, and notification LED are not supported.

## Bluetooth Connection

1. Turn the Mode switch to BT position.
2. Press the Home button to turn on the controller.
3. Hold the Pair button for 3 seconds to enter its pairing mode, the Status LED will blink rapidly. (This is required for the very first time only) Go to your Switch Home Page to click on “Controllers”, then click on “Change Grip/Order”, the Status LED will remain solid to indicate a successful connection.

## Wireless Connection

Please ensure the “Pro Controller Wired Communication” is enabled in the system setting.

1. Turn the Mode switch to 2.4G position.
2. Connect the 2.4G adapter to your Switch device’s USB port.
3. Press the Home button to turn on the controller.
4. Wait till the controller is successfully recognized by the device.

## Windows

**System requirement:** Windows 10 (1903) or above.

## Wireless Connection

1. Turn the Mode switch to 2.4G position.

2. Connect the 2.4G adapter to the USB port of your Windows device.
3. Press the Home button to turn on the controller.
4. Wait till the controller is successfully recognized by the device.

### Wired Connection

1. Turn the Mode switch to 2.4G position.
2. Connect the controller to your Windows device via a USB cable and wait till the controller is successfully recognized by the device.

### Turbo Function

- D-pad, Home button, LS/RS, L4/R4 buttons, and PL/PR buttons are not supported for turbo.
- The turbo settings will not be saved permanently and will revert to default settings after the controller is powered off or disconnected.
- The Mapping LED will blink continuously when the configured button is pressed.

#### Turn on Turbo Mode

e.g.:  +  →   
hold                      press

#### Turn off Turbo Mode

e.g.:  +  →   
hold                      press                      LED  
   turns off

---

#### Turn on Auto Turbo Mode

e.g.:  +  →   
hold                      press twice

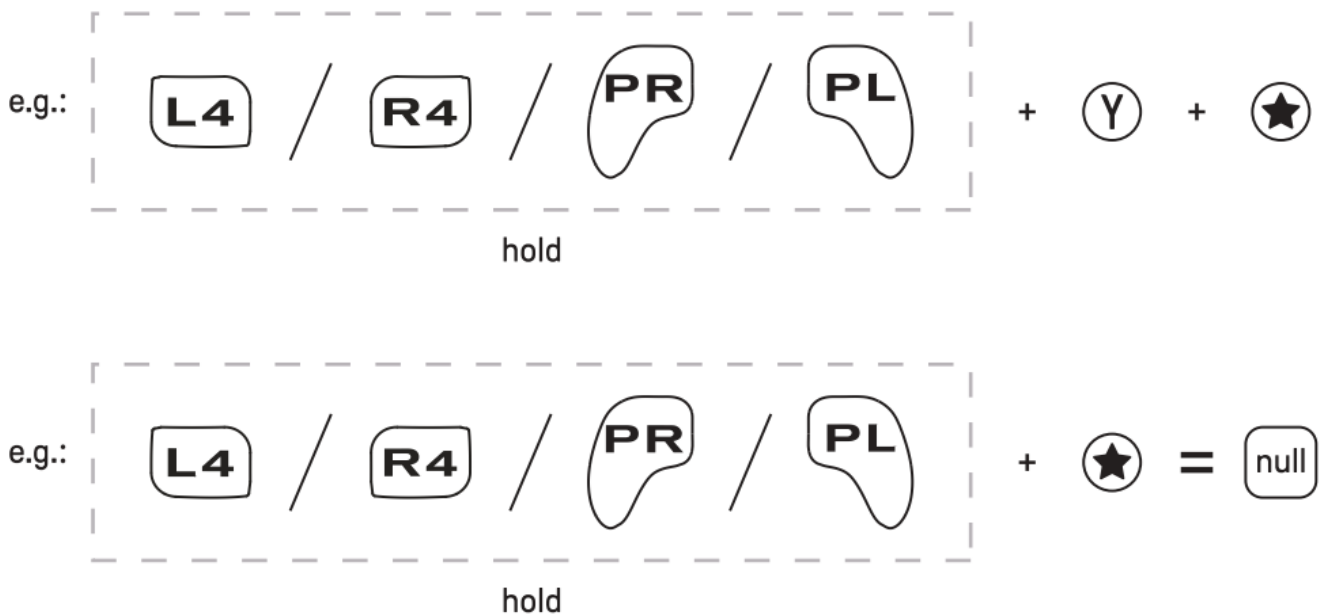
#### Turn off Auto Turbo Mode

e.g.:  +  →   
hold                      press                      LED  
   turns off

### L4/R4/PL/PR Buttons Configuration

- Single or multiple buttons on the controller can be mapped to the L4/R4/PL/PR buttons.
- LS/RS are not supported.

The Mapping LED will blink continuously when the configured button is pressed.



### Light Effects

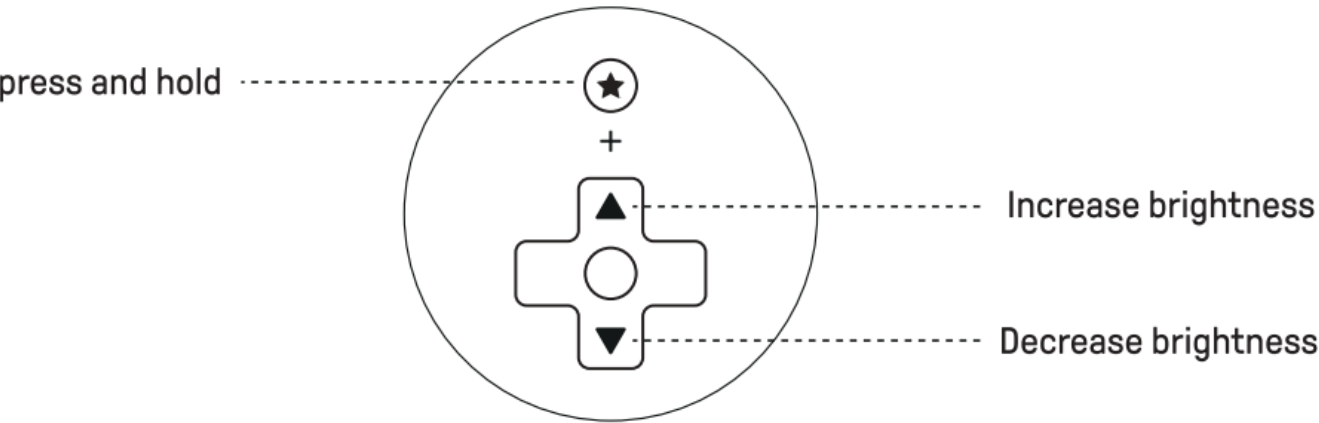
Press the Star button to cycle through the light effects: Light-tracing Mode > Fire Ring Mode > Rainbow Ring Mode > Off.

### Brightness Control

Applicable only in Light-tracing mode and Rainbow Ring mode. Press and hold the Star button+ D-pad up/down to adjust the brightness.

### Brightness Control

Applicable only in Light-tracing mode and Rainbow Ring mode. Press and hold the Star button+ D-pad up/down to adjust the brightness.

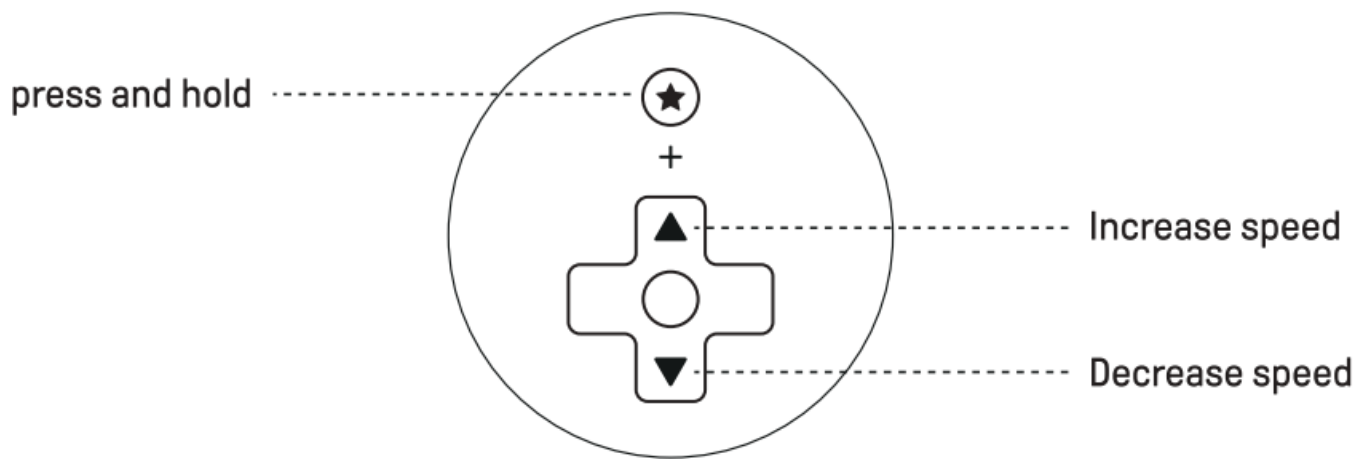


### Color Options

Press and hold the Star button+ D-pad left/right to change the lighting color.

### Speed Control

Applicable only in Fire Ring mode. Press and hold the Star button+ D-pad up/down to adjust the Fire Ring speed.



## Battery

- Built-in 1000mAh battery pack, 12 hours of usage time via Bluetooth connection and 2.4G wireless connection, rechargeable with 3 hours charging time.

Status	Power LED	Battery Condition
Low Battery	Blinks (or may dim)	Battery is low
Battery Charging	Blinks	Charging in progress
Fully Charged	Stays solid	Battery is fully charged
Power On	Stays solid	Battery sufficient/powerd on
Power Off	Turns off	Powered off or no battery

- The controller will automatically shut down if it fails to connect within 1 minute of startup, or if there are no operations within 15 minutes after establishing a connection
- The controller will not shut down during wired connection.

## Joystick/Trigger Calibration

Please follow the steps below:

- Controller in the powered-on state, press and hold the “L1+R1+Minus+Plus” buttons for 8 seconds to enter the calibration mode, the Status LED will start to blink.
- Push the joysticks to the edge and rotate them slowly 2-3 times.
- Slowly press the triggers to the bottom 2-3 times.
- Press the same “L1+R1+Minus+Plus” buttons combination again to complete the calibration.

## Safety Warnings

- Please always use batteries, chargers, and accessories provided by the manufacturer.
- The manufacturer is not liable for any safety issues arising from the use of non-manufacturer-approved accessories.
- Do not attempt to disassemble, modify, or repair the device yourself. Unauthorized actions may result in serious

injury.

- Avoid crushing, disassembling, puncturing, or attempting to modify the device or its battery, as these actions can be dangerous.
- Any unauthorized changes or modifications to the device will void the manufacturer's warranty.
- This product contains small parts that may cause choking. Not suitable for children under three years old.
- This product features flashing lights. Individuals with epilepsy or photosensitivity should disable the lighting effects before use.
- Cables may cause tripping or entanglement hazards. Keep them away from walkways, children, and pets.
- Stop using this product immediately and seek medical attention if you experience dizziness, visual disturbances, or muscle spasms.

### Ultimate Software

ase visit [app.8bitdo.com](http://app.8bitdo.com) to download the Ultimate Software V2 to get the customize button mapping function and additional support.

### Support

Please visit [support.8bitdo.com](http://support.8bitdo.com) for further information & additional support.

### FAQ

#### How do I charge the controller?

Use the provided USB cable to connect the controller to a power source.

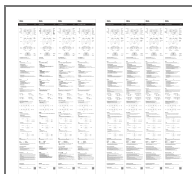
#### What should I do if the controller doesn't connect?

Ensure the controller is charged and within range. Try re-syncing or using a wired connection.

#### How can I reset the controller?

Press and hold the Home button for 10 seconds to reset the controller.

### Documents / Resources



[8BitDo Ultimate 2 Bluetooth Controller](#) [pdf] Instruction Manual  
Ultimate 2 Bluetooth Controller, Ultimate 2, Bluetooth Controller, Controller

### References

- [User Manual](#)

#### Manuals+ Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.