Retro-Bit RET00244

Retro-Bit Legacy 16 Wireless 2.4GHz Controller User Manual
Model: RET00244 | Brand: Retro-Bit

1. INTRODUCTION

The Retro-Bit Legacy 16 Wireless 2.4GHz Controller combines classic design with modern functionality, offering versatile compatibility across multiple platforms. Enjoy a seamless gaming experience on your Super Nintendo, Nintendo Switch, PC, MacOS, RetroPie, Raspberry Pi, and other USB-enabled devices.

2. PACKAGE CONTENTS

- Retro-Bit Legacy 16 Wireless 2.4GHz Controller
- SNES Original Port Receiver
- USB 2.4 GHz Receiver
- USB-C Charging Cable (Note: Micro-USB for SNES receiver updates, not included)
- Instruction Manual

3. PRODUCT OVERVIEW

Familiarize yourself with the controller's layout and features:

Figure 3.1: Retro-Bit Legacy 16 Wireless Controller with SNES and USB Receivers.
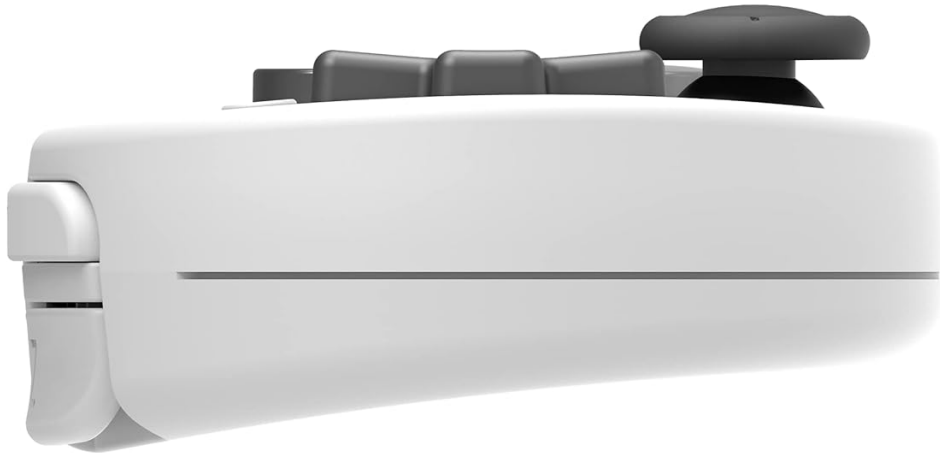
Figure 3.2: Side view showing the ergonomic design and shoulder buttons.

Figure 3.3: Close-up of the Home and Screenshot buttons, located above the Select and Start buttons.

Figure 3.4: Additional ZL and ZR shoulder buttons for enhanced gameplay.

The controller features a classic D-pad, A/B/X/Y action buttons, Select and Start buttons, dual analog sticks, and additional ZL/ZR shoulder buttons. It also includes dedicated Home and Screenshot buttons for modern console compatibility.

4. SETUP

4.1 Charging the Controller

The controller charges via a USB-C port located on the top edge. Connect the provided USB-C cable to the controller and a compatible USB power source. The LED indicators on the controller will show charging status.

4.2 Connecting to Devices

The Retro-Bit Legacy 16 controller comes with two receivers for broad compatibility:

4.2.1 SNES Original Port Receiver

Plug the SNES Original Port Receiver into an available controller port on your Super Nintendo console. The

controller will automatically pair with the receiver.

4.2.2 USB 2.4 GHz Receiver

Plug the USB 2.4 GHz Receiver into a standard USB-A port on your Nintendo Switch dock, PC, MacOS device, RetroPie, Raspberry Pi, or other USB-enabled system. The controller will automatically pair with the receiver.
Important Note for Nintendo Switch Users:
Before pairing with Nintendo Switch, ensure "Pro Controller Wired Communication" is enabled in your Switch system settings for optimal performance.

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Video 4.1: Official product video demonstrating the features and compatibility of the Legacy 16 Wireless Controller, including its use with SNES, Switch, and USB-enabled devices. This video highlights the dual receivers and various button functions.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

The controller features standard SNES-style button layout with modern additions:

- **D-Pad:** For directional movement.
- **A, B, X, Y Buttons:** Standard action buttons.
- **Select, Start Buttons:** For in-game menu navigation and actions.
- **Dual Analog Sticks:** For precise 3D movement and camera control.
- **L, R, ZL, ZR Shoulder Buttons:** Additional triggers for modern games.
- **Home Button:** Returns to console's home screen (e.g., Nintendo Switch).
- **Screenshot Button:** Captures screenshots (e.g., Nintendo Switch).

5.2 Macro Functions (for USB® Receiver)

The controller supports various macro functions for enhanced compatibility and customization. Refer to the table below for specific commands:

Mode	Hold Input	Description
Input Switch	Start + B for 5 sec	Switch between D-Input and X-Input. Some consoles and programs require X-Input.
Default Mode	Start + Up	Sets the controller back to its default mode.
Swap AB/XY	Start + Down for 5 sec	Switches the A & B buttons with the X & Y buttons. Repeat input to reverse.
Swap L/ZL	L + ZL for 5 seconds	Switches the L & ZL buttons. Repeat input to reverse.
Swap R/ZR	R + ZR for 5 seconds	Switches the R and ZR buttons. Repeat input to reverse.

6. MAINTENANCE

6.1 Firmware Updates

It is highly recommended to check and update your controller to the latest firmware before use for the best experience. Firmware updates for the receivers are done via Micro-USB (cable not included).

6.2 Battery Life and Charging

The controller features a Lithium Ion battery. A full charge typically takes 2-3 hours, providing extended playtime. The LED indicators on the controller will show charging status and battery level.
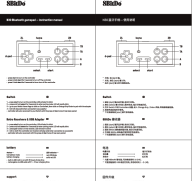
7. TROUBLESHOOTING

- **Connectivity Issues:** Ensure the correct receiver is plugged in and the controller is paired. For Switch, verify "Pro Controller Wired Communication" is enabled.
- **Input Lag/Responsiveness:** The controller is designed for minimal latency. If experiencing issues, ensure no strong 2.4GHz interference is present.
- **Button Feel:** The buttons have a specific tactile feel. While some users may prefer a different actuation, this is a design characteristic and not a defect.
- **No Rumble/Force Feedback:** This controller does not feature rumble or force feedback functionality.
- **Stick Drift:** While not commonly reported, if stick drift occurs, try resetting the controller to default mode using the macro (Start + Up).

8. SPECIFICATIONS

- **Model Number:** RET00244
- **Connectivity:** 2.4 GHz Wireless
- **Compatibility:** SNES, Nintendo Switch, PC, MacOS, RetroPie, Raspberry Pi, Other USB Devices
- **Battery:** Lithium Ion (included)
- **Charging Port:** USB-C (controller), Micro-USB (SNES receiver for updates)
- **Product Dimensions:** 6.34 x 1.97 x 3.98 inches
- **Item Weight:** 5.43 ounces

9. WARRANTY & SUPPORT

For warranty information, technical support, or further assistance, please visit the official Retro-Bit website or contact their customer service. Keep your proof of purchase for warranty claims.

Related Documents - RET00244

	[Retro-Bit Legacy16 2.4 GHz Wireless Controller Instruction Manual](#) Instruction manual for the Retro-Bit Legacy16 2.4 GHz Wireless Controller, detailing features, button inputs, connection, charging, and troubleshooting for SNES, Nintendo Switch, and USB devices.
	[SupaRetroN HD Instruction Manual: Setup and Usage Guide](#) Comprehensive instruction manual for the Hyperkin SupaRetroN HD, a premium retro gaming console for SNES and SFC. Learn how to set up, connect controllers, and play your favorite classic games.
	[Romancing SaGa 2: Nintendo SNES Game Manual	Square RPG](#) Official game manual for Romancing SaGa 2 on the Super Nintendo Entertainment System (SNES). Explore the epic story, master turn-based combat, and guide your lineage through this classic Square RPG from 1993.
	[The MagPi Magazine - Issue 31: Raspberry Pi 2 and Tech Projects](#) Explore the official Raspberry Pi magazine's March 2015 issue, focusing on the Raspberry Pi 2, its capabilities, and a wide range of DIY projects, tutorials, and reviews for makers and hobbyists.
	[RetroMagazine Issue 15: Dive into Retro Gaming Hardware and Software](#) Explore the July 2022 issue of RetroMagazine, featuring detailed articles on the Super Nintendo, Bandai WonderSwan, Pandora's Box arcade systems, and retro programming. A must-read for retro gaming enthusiasts.
	[8BitDo N30 Bluetooth Gamepad Instruction Manual](#) Instruction manual for the 8BitDo N30 Bluetooth gamepad, covering setup, pairing, and battery information for Nintendo Switch and Retro Receivers.