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Retro-Bit 849172010239

Retro-Bit Official Sega Genesis USB Controller 8-Button Arcade Pad Instruction Manual

Model: 849172010239

1. INTRODUCTION

This manual provides detailed instructions for the Retro-Bit Official Sega Genesis USB Controller 8-Button Arcade Pad. This controller is designed to offer a classic gaming experience with modern compatibility, featuring a familiar design and additional functionality for various platforms. Please read this manual thoroughly to ensure proper setup and operation of your device.

2. PRODUCT OVERVIEW

The Retro-Bit Official Sega Genesis USB Controller is an officially licensed replica of the classic Sega Genesis controller, enhanced with modern features for broad compatibility.

Key Features:

- Official SEGA Licensed Controller (Original Grade Quality)
- Classic 6-button layout with repositioned Mode button
- New L/R Shoulder Buttons for extra configuration options
- 10-foot cable length for flexible gameplay
- Compatible with Sega Genesis Mini, Nintendo Switch/Switch 2, PC, Mac, Steam, RetroPie, Raspberry Pi
- Supports both D-Input and X-Input modes

Figure 2.1: The Retro-Bit Official Sega Genesis USB Controller 8-Button Arcade Pad and its packaging.

3. SETUP

Setting up your Retro-Bit Sega Genesis USB Controller is a straightforward process. The controller is designed for plug-and-play functionality on most supported systems.

3.1 Connecting the Controller

1. Locate an available USB port on your desired gaming device (PC, Mac, Nintendo Switch, Sega Genesis Mini, RetroPie, Raspberry Pi).

2. Plug the USB-A connector of the controller's 10-foot cable into the USB port.

3. The system should automatically detect and install the necessary drivers. No additional software installation is typically required.

4. For Nintendo Switch handheld mode, a USB-C adapter (not included) may be required to connect the USB-A cable.

Figure 3.1: Close-up view of the controller's face buttons and D-pad.

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Video 3.1: An unboxing of the Retro-Bit Official Sega Genesis USB Controller, demonstrating the physical product and its packaging. This video shows the controller being removed from its box and highlights its wired USB connection.

4. OPERATING INSTRUCTIONS

The controller features a classic 6-button layout with additional shoulder buttons and a Mode button for enhanced functionality.

4.1 Button Layout

- **D-Pad:** Directional input for movement.
- **A, B, C, X, Y, Z Buttons:** Main action buttons.
- **Start Button:** Typically used for pausing games or confirming selections.
- **Mode Button:** Can be used for specific game functions or system navigation.
- **L/R Shoulder Buttons:** New additions for expanded control options in modern games or emulators.

Figure 4.1: Side view of the controller, highlighting the newly added L and R shoulder buttons.

4.2 Switching Input Modes (D-Input / X-Input)

The controller supports both D-Input (DirectInput) and X-Input (XInput) modes. X-Input is commonly used for modern PC games, while D-Input is often used for older games and some emulation platforms.

- To swap between D-Input and X-Input, hold the **START** button for 5 seconds. The controller will switch modes.
- Note: The controller defaults to D-Input mode upon connection and does not retain settings between sessions. You may need to switch modes each time you connect the controller.

4.3 Switch Macros (Nintendo Switch Specific)

For Nintendo Switch, specific button combinations can be used to change D-Pad input or swap button layouts:

- **Hold START for 5 seconds:** Mode Enabled
- **Up + START:** D-Pad input (Left Joystick)
- **Left + START:** Left Joystick
- **Right + START:** Right Joystick
- **Down + START:** Swap A, B, X, Y buttons

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Video 4.2: A detailed review of the Retro-Bit Official Sega Genesis USB Controller, including demonstrations of its features, button feel, and compatibility with various systems. This video also explains the D-Input/X-Input switching and button mapping.

5. COMPATIBILITY

The Retro-Bit Official Sega Genesis USB Controller offers broad compatibility with various modern and retro gaming platforms:

- Sega Genesis Mini
- Nintendo Switch / Switch 2
- PC (Windows)
- Mac (macOS)
- Steam (PC/Mac)
- RetroPie
- Raspberry Pi
- PS3 (as indicated in manual, though not on box)

Figure 5.1: A compatibility chart showing various Retro-Bit controller types and their supported platforms. This wired USB model is compatible with many systems.

Figure 5.2: The controller is fully compatible with the Sega Genesis Mini console, providing an authentic retro gaming experience.

6. DEFAULT BUTTON MAPPING

The following table illustrates the default button mapping across different input modes and platforms. Please refer to this table for optimal configuration.

Controls	Genesis	D-Input	X-Input	PS3*	Mac*	Switch
Up	Up ↑	Up ↑	Y-Axis ↑	Up ↑	Up ↑	Up ↑
Right	Right →	Right →	X-Axis →	Right →	Right →	Right →
Down	Down ↓	Down ↓	Y-Axis ↓	Down ↓	Down ↓	Down ↓
Left	Left ←	Left ←	X-Axis ←	Left ←	Left ←	Left ←
A	A	1	A	2	1	B

Controls	Genesis	D-Input	X-Input	PS3*	Mac*	Switch
B	B	2	B	1	2	A
C	C	3	X	3	3	Y
X	X	4	Y	4	4	X
Y	Y	5	LB	L1	5	L
Z	Z	6	RB	R1	6	R
L	L	7	LT	L2	7	ZL
R	R	8	RT	R2	8	ZR
Mode	Select	9	Back	Select	9	-
Start	Start	10	Start	Start	10	+
Start + A	Guide	11	Guide	Home	11	Home

*PS3 and Mac compatibility may vary or require specific settings.

7. MAINTENANCE

To ensure the longevity and optimal performance of your controller, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the controller. For stubborn dirt, slightly dampen the cloth with water. Avoid harsh chemicals or abrasive cleaners.
- **Storage:** Store the controller in a cool, dry place away from direct sunlight and extreme temperatures. Avoid wrapping the cable too tightly to prevent damage.
- **Handling:** Do not drop the controller or expose it to excessive force. Avoid pulling the cable forcefully from the USB port.

8. TROUBLESHOOTING

If you encounter issues with your controller, please refer to the following common troubleshooting steps:

- **Controller Not Detected:**
  - Ensure the USB cable is securely plugged into an active USB port.
  - Try plugging the controller into a different USB port on your device.
  - Restart your gaming device or computer.
  - Verify that your operating system or gaming platform supports the controller (refer to Section 5: Compatibility).

- **Buttons Not Responding Correctly:**
  - Check the input mode (D-Input vs. X-Input) by holding the**START** button for 5 seconds. Some games or emulators require a specific mode.
  - For Nintendo Switch, try the Switch Macros (Section 4.3) to adjust D-Pad input or swap buttons if needed.
  - Ensure the game or emulator's control settings are configured correctly for a 6-button or 8-button controller.

- **Lag or Input Delay:**
  - Ensure the controller is directly connected to a USB port and not through an unpowered USB hub.

- Minimize background applications on your PC/Mac that might consume system resources.
- For optimal performance, ensure your display device (monitor/TV) is set to a low-latency "Game Mode" if available.

9. SPECIFICATIONS

Feature	Detail
Brand	Retro-Bit
Series	SEGA Genesis 8-button Arcade Pad
Model Number	849172010239
Connectivity Technology	USB (Wired)
Cable Length	10 feet (approx. 3 meters)
Controller Type	Gamepad
Compatible Devices	SEGA Genesis Mini, PC, Mac, Steam, RetroPie, Raspberry Pi, Nintendo Switch
Input Modes	D-Input, X-Input (switchable)
Item Weight	9.7 ounces
Package Dimensions	7.09 x 5.75 x 2.48 inches

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Retro-Bit website or contact their customer service directly. Details are typically provided with the product packaging or on the manufacturer's website.

If you have questions, comments, or if this product did not turn out the way it was intended, please contact Retro-Bit customer service at info@retro-bit.com.

Related Documents - 849172010239

	Retro-bit Sega Genesis 6 Button Arcade Pad with USB - Instruction Manual Instruction manual for the Retro-bit Sega Genesis 6 Button Arcade Pad with USB, detailing layout, button mapping, and compatibility with PC, Mac, Steam, PS3, and Switch.
	Retro-Bit Genesis Wireless 8-Button Arcade Pad Instruction Manual Official instruction manual for the Retro-Bit Genesis Wireless 8-Button Arcade Pad featuring Bluetooth® technology. Learn how to connect, operate, and troubleshoot the controller for PC, Mac, Android, and Switch.
	Retro-Bit SEGA Genesis 8-Button USB Wired Controller Instruction Manual Instruction manual for the Retro-Bit SEGA Genesis 8-Button USB Wired Controller, detailing features, compatibility with PC, Mac, Steam, PS3, and how to switch between D-Input and X-Input modes.

	Retro-Bit SEGA Saturn 8-Button Arcade Pad 2.4 GHz Wireless V2 Instruction Manual Comprehensive instruction manual for the Retro-Bit SEGA Saturn 8-Button Arcade Pad 2.4 GHz Wireless V2. Covers features, detailed pairing and charging instructions, button mapping for SEGA Saturn, SEGA Genesis, PC, Switch, and more, along with troubleshooting and regulatory information.
	BIG6 2.4GHz Wireless Arcade Pad Instruction Manual Instruction manual for the retro-bit BIG6 2.4GHz Wireless Arcade Pad, detailing its features, pairing process, charging instructions, compatibility with various systems including SEGA Genesis, Nintendo Switch, PC, Mac, and Android, button mapping, and troubleshooting. Includes FCC compliance information.
	Retro-Bit Tribute64 Wireless Controller V2 Instruction Manual Instruction manual for the Retro-Bit Tribute64 Wireless Controller V2, covering setup, features, pairing, troubleshooting, and compatibility with N64, PC, Mac, PS3, and Nintendo Switch.