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## AceGamer Aurora Generation T47

# AceGamer Aurora Wireless Bluetooth Controller User Manual

Model: Aurora Generation T47

## 1. INTRODUCTION

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The AceGamer Aurora Generation Wireless Bluetooth Controller is designed to enhance your gaming experience across multiple platforms, including PC, Switch, iOS, and Android. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your controller.

Key features include:

- **Hall Effect Joysticks:** Provides precise and reliable input detection with no latency, long life, no dead zone, and anti-drift capabilities.
- **Double Linear Motors:** Built-in asymmetric dual vibration sensory motors offer five adjustable vibration grades for immersive feedback during gameplay.
- **Customizable Back Keys:** Two additional programmable buttons on the back allow for personalized trigger combos and enhanced gaming convenience, with anti-touch switches to prevent accidental presses.
- **Wireless Connectivity:** Supports 2.4G wireless transmission for stable, interference-free, and low-latency connections, as well as Bluetooth for broad compatibility.
- **Large Capacity Battery:** Equipped with a 1000mAh battery for extended playtime on a single charge.
- **Multi-Platform Compatibility:** Seamlessly connects and provides smooth gameplay across PC, Switch, iOS, and Android devices.



Figure 1.1: AceGamer Aurora Wireless Bluetooth Controller with its 2.4G USB dongle.

Video 1.1: An official overview of the AceGamer 2.4G Wireless Bluetooth Controller, highlighting its features and design.

## 2. SETUP

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### 2.1 Package Contents

Before you begin, please verify that all items are present in your package:

- 1x Wireless Controller
- 1x TYPE-C Data Cable
- 1x Wireless Receiver (2.4G USB Dongle)
- 1x User Manual



Figure 2.1: The package includes the wireless controller, a USB-C data cable, a wireless receiver, and the user manual.

## 2.2 Charging the Controller

The controller is equipped with a built-in 1000mAh rechargeable battery. To charge the controller:

1. Connect the supplied TYPE-C data cable to the charging port on the top of the controller.
2. Connect the other end of the cable to a USB power source (e.g., PC USB port, USB wall adapter).
3. The indicator lights on the controller will show charging status. A full charge typically takes 2-3 hours and provides approximately 8 hours of playtime.



Figure 2.2: The controller features a 1000mAh battery, charging via USB-C for extended gaming sessions.

## 2.3 Connecting the Controller

The AceGamer Aurora controller supports three connection modes:

### 2.3.1 2.4G Wireless Connection (Recommended for PC)

1. Insert the 2.4G wireless receiver (USB dongle) into an available USB port on your PC or compatible device.
2. On the controller, press and hold the 'B' button, then simultaneously press and hold the 'HOME' button for 3 seconds.
3. The controller will enter pairing mode, and the indicator lights will flash. Once successfully paired, the lights will become solid.

### 2.3.2 Bluetooth Connection (for Switch, iOS, Android, PC)

1. Ensure Bluetooth is enabled on your device (Switch, iOS, Android, or PC).
2. On the controller, press and hold the 'HOME' button for 3 seconds.
3. The controller will enter pairing mode. On your device, search for new Bluetooth devices and select "AceGamer Controller" (or similar) from the list.
4. Once successfully paired, the indicator lights on the controller will become solid.

### 2.3.3 Wired Connection (for PC)

1. Connect the supplied TYPE-C data cable to the charging port on the controller.
2. Connect the other end of the cable to a USB port on your PC.
3. The controller will automatically be recognized by your PC as a wired gamepad. No additional drivers are typically required.

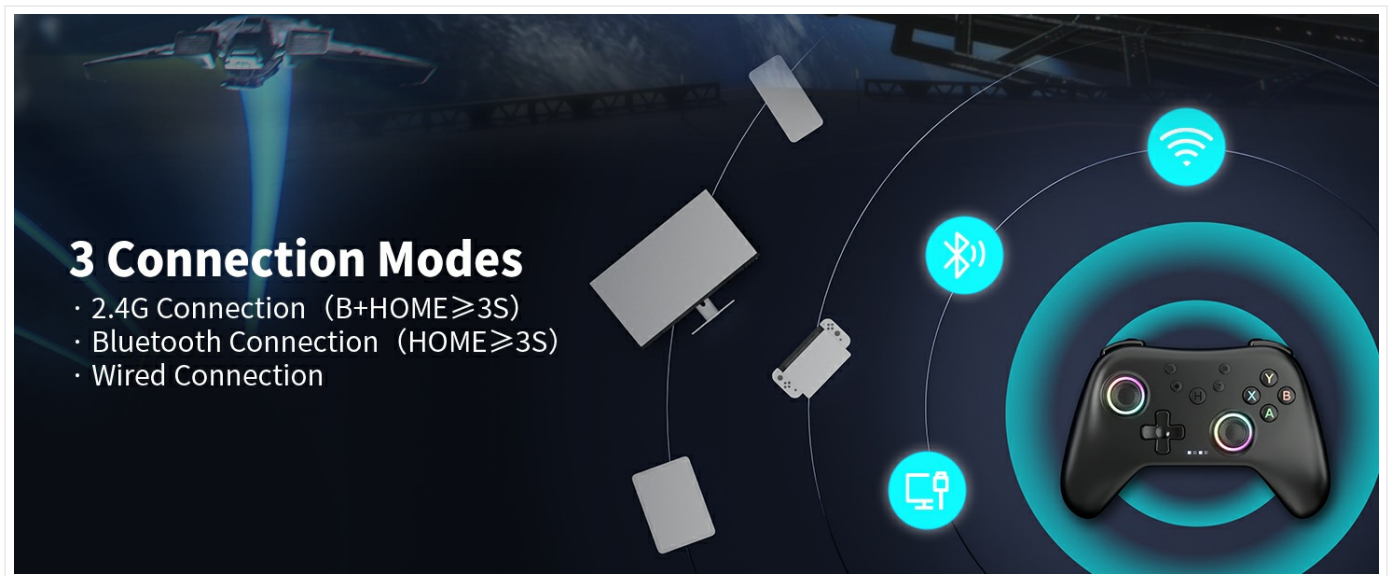


Figure 2.3: The controller supports 2.4G, Bluetooth, and wired connections for versatile use.

## 3. OPERATING INSTRUCTIONS

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### 3.1 Hall Effect Joysticks

The controller features advanced Hall Effect joysticks, which use magnetic fields instead of physical contacts. This technology provides:

- **No Latency:** Instantaneous response to inputs.
- **Long Life:** Reduced wear and tear compared to traditional joysticks.
- **No Dead Zone:** Full range of motion is recognized.
- **Anti-Drift:** Prevents unintended input, ensuring precise control.

# HALLE EFFECT JOYSTICK



No Latency



Long Life



No Dead Zone



Anti-Drift



Figure 3.1: Hall Effect Joysticks provide superior precision and durability.

## 3.2 Linear Motors (Vibration Adjustment)

The dual linear motors provide haptic feedback for an immersive gaming experience. The vibration intensity can be adjusted:

- There are five grades of vibration intensity. Refer to the controller's specific button combinations in the included quick start guide for adjustment.

# Linear Resonant Actuator

Dual motors provide 4 adjustable vibrations can get physical feedback



Figure 3.2: Dual linear motors offer adjustable vibration feedback.

## 3.3 Customizable Back Keys (M1/M2)

The controller features two programmable back buttons (M1 and M2) that can be assigned to various functions or button combinations:

- **Programming:** The 16 base keys (A, B, X, Y, R, L, ZR, ZL, D-Pad) can be extended to M1/M2. Consult the quick start guide for detailed programming steps.
- **Anti-Touch Switches:** Each back button has a physical switch to enable or disable it, preventing accidental presses during intense gameplay.

## Two Program Keys

- M1/M2=A+B+X+Y+R+ZR+D-Pad
- The 16 base keys can be extended backwards to two game buttons are placed to lighten your fingers.



Figure 3.3: Customizable back keys with anti-touch switches for enhanced control.

### 3.4 RGB Lighting Effects

The controller features customizable RGB lighting around the joysticks. You can choose from 7 color combinations and 5 diverse lighting modes (Brightness, Breathing, Colorful, Fade-Off).

- To adjust RGB lighting, refer to the specific button combinations in the included quick start guide.



# Multiple Types of Lighting Effects



7 colors combinations



5 diverse lighting models

Brightness-Breathing-Colorful-Fade-OFF



Figure 3.4: Explore various RGB lighting effects to personalize your controller.

## 3.5 Directional Lock (8-Way to 4-Way)

The D-Pad can be switched between 8-way and 4-way directional input modes. This can be useful for different game genres.

- To switch modes, press and hold the 'T' button and then press the D-Pad.
- **Note:** This function is not saved after the controller is powered off.

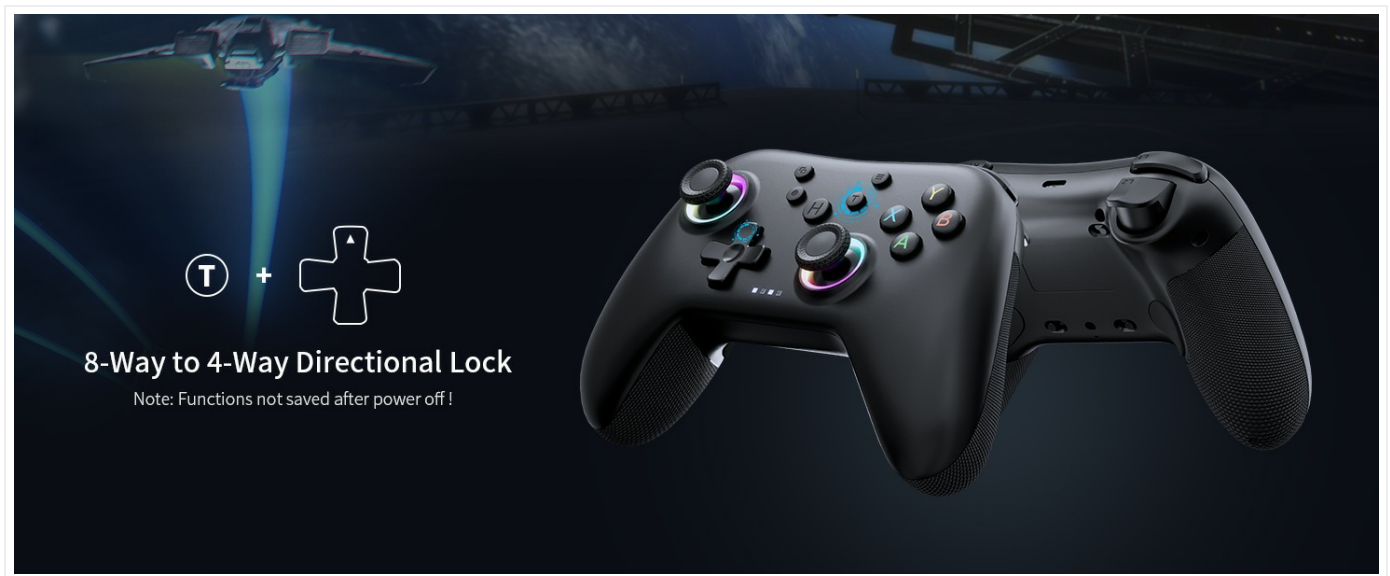


Figure 3.5: Adjust D-Pad input between 8-way and 4-way modes.

### 3.6 ABXY Key Swap (Game Operation Mode Adjustment)

The controller defaults to XBOX button layout (A, B, X, Y). For compatibility with Nintendo Switch, you can swap the ABXY button functions.

- To swap the ABXY keys, press and hold the 'T' button and then press the 'Screenshot' button. This will adjust to N-S mode.
- **Note:** This function is not saved after the controller is powered off.



Figure 3.6: Swap ABXY button layout for compatibility with different platforms.

### 3.7 FPS Mode (Professional Joystick No Dead Zone)

For precision-demanding games like First-Person Shooters, activate FPS mode to eliminate joystick dead zones.

- To activate FPS mode, press and hold the 'T' button and then press L3/R3 (press the left or right joystick down) for 3 seconds.
- **Note:** This function is not saved after the controller is powered off.



Figure 3.7: Enable FPS mode for enhanced joystick precision.

## 4. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to wipe the controller. For stubborn dirt, slightly dampen the cloth with water or a mild cleaning solution. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the controller in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Battery Care:** Avoid fully discharging the battery frequently. For long-term storage, charge the controller to about 50% to prolong battery life.
- **Avoid Drops:** Protect the controller from drops and impacts, which can damage internal components.

## 5. TROUBLESHOOTING

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If you encounter issues with your AceGamer Aurora controller, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Controller does not connect via 2.4G.	Incorrect pairing procedure, receiver not properly inserted, interference.	Ensure the 2.4G receiver is fully inserted. Re-attempt pairing by holding 'B' + 'HOME' for 3 seconds. Try a different USB port.
Controller does not connect via Bluetooth.	Bluetooth not enabled on device, incorrect pairing, interference.	Ensure Bluetooth is enabled on your device. Re-attempt pairing by holding 'HOME' for 3 seconds. Forget the device on your system and re-pair.
Buttons or joysticks are unresponsive/driftng.	Low battery, software glitch, physical damage.	Charge the controller fully. Restart the controller and your device. If issues persist, contact customer support.
Vibration is too strong/weak or not working.	Vibration intensity setting, game does not support vibration.	Adjust vibration intensity using the controller's specific button combinations. Verify the game supports vibration feedback.
RGB lights are not working or stuck.	Lighting mode setting, software issue.	Adjust RGB lighting modes and colors using the controller's specific button combinations. Restart the controller.

If the problem persists after trying these solutions, please contact AceGamer customer support for further assistance.

## 6. SPECIFICATIONS

Feature	Detail
Model Number	T47 (PC controller)
Connectivity	2.4G Wireless, Bluetooth, Wired (USB-C)
Compatibility	PC, Switch, iOS, Android, Steam Deck
Joystick Type	Hall Effect Joysticks
Vibration	Dual Linear Motors, 5 adjustable grades
Battery Capacity	1000mAh Lithium Ion
Charging Time	Approx. 2-3 hours
Playtime	Approx. 8 hours
Dimensions	6.89 x 5.63 x 2.72 inches
Weight	9.88 ounces
Manufacturer	AceGamer
Country of Origin	China

## 7. WARRANTY AND SUPPORT

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AceGamer products are designed for quality and reliability. For warranty information and customer support, please refer to the official AceGamer website or contact their customer service directly.

**AceGamer Official Store:** Visit the AceGamer Store on Amazon

Please retain your proof of purchase for any warranty claims.

