

## AceGamer C16

# AceGamer C16 Mobile Gaming Controller User Manual

Model: C16

## 1. INTRODUCTION

This manual provides detailed instructions for the AceGamer C16 Mobile Gaming Controller. It covers setup, operation, advanced features, and troubleshooting to ensure an optimal gaming experience with your compatible mobile device.

The AceGamer C16 is designed for use with iPhone 15 series and Android devices featuring a USB-C connector. It offers a direct, low-latency connection, Hall Effect joysticks and triggers, mechanical microswitch buttons, and customizable features like macro programming and turbo functions.

## 2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x AceGamer C16 Mobile Gaming Controller
- 1x Type-C Charging Cable
- 1x User Manual (this document)
- 1x Replaceable D-pad
- 2x Rocker Cap



Image: AceGamer C16 Mobile Gaming Controller with included accessories, including the controller, Type-C cable, replaceable D-pad, and rocker caps.

### 3. PRODUCT OVERVIEW

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Familiarize yourself with the controller's layout and components.

# Compatible Platform

- ✓ **Android:** Type-C port Android devices(Android 8.0 and above)
- ✓ **iOS:** Type-C port Apple devices(iPhone 15 series, iOS 14 and above)



**Note:** Suggest avoid thick phone cases over 1mm

Image: Top-down and bottom-up views of the AceGamer C16 controller with labels for all buttons, joysticks, D-pad, triggers, and the USB-C charging jack.

## Key Components:

- **Left Stick (L3):** Analog joystick with press function.
- **Right Stick (R3):** Analog joystick with press function.
- **D-pad:** Directional pad.
- **ABXY Buttons:** Action buttons.
- **LB/RB:** Left and Right Bumper buttons.
- **LT/RT:** Left and Right Linear Trigger buttons.
- **View Button:** Typically for menu or map functions.
- **Menu Button:** Typically for system menus.
- **Home Button:** Returns to the device's home screen or game menu.
- **Screenshot Button:** Captures a screenshot.
- **Turbo Button:** Activates turbo function.
- **M1/M2 Buttons:** Programmable macro buttons.
- **USB-C Connector:** For connecting your mobile device.

- **USB Charging Jack:** For pass-through charging.

## 4. SETUP AND CONNECTION

### 4.1 Compatibility

The C16 controller is compatible with:

- **Android Devices:** USB-C port Android devices (Android 8.0 and above).
- **iOS Devices:** USB-C port Apple devices (iPhone 15 series, iOS 14 and above).

**Note: Avoid using phone cases thicker than 1mm, as they may prevent proper connection to the USB-C port.**



Image: A diagram illustrating the correct phone camera size and thickness for compatibility with the controller, contrasting it with a phone that is too large or has a thick camera module.

### 4.2 Connecting Your Device

1. Gently extend the controller to fit your mobile phone. The adjustable stretchable design accommodates phones between 135-173mm in length.



2. Align your phone's USB-C port with the controller's movable Type-C connector.
3. Insert the phone firmly into the connector. The controller will automatically power on upon successful connection.

The direct Type-C connection ensures zero latency for responsive gameplay. The controller also supports pass-through charging, allowing you to charge your phone while playing by connecting a Type-C cable to the controller's USB Charging Jack (supports PD2.0 protocol).

## Plug and Play- Zero Latency via Type-C

Support Charging Phone While Playing



### Silicon Design



### Adaptive Type-C Connector



### Replaceable D-pad



### Non-Slip & Ergonomic



The charging port in the controller provides charging function only. It has no data sync function.

Image: A phone securely connected to the AceGamer C16 controller, highlighting its silicon design for grip, adaptive Type-C connector, replaceable D-pad, and ergonomic non-slip grips.

## 5. OPERATING INSTRUCTIONS

### 5.1 Supported Platforms and Games

The C16 controller supports a wide range of gaming platforms and mobile games:

- **Mobile Games:** Compatible with popular titles such as Genshin Impact, Call of Duty Mobile, and many others.
- **Cloud Gaming:** Supports platforms like Steam Link, Moonlight, PS Remote Play, Xbox Cloud Gaming,

Xbox Game Pass, Luna, Stadia, Rainway, and NVIDIA GeForce NOW.

- **PC Gaming:** Can be used with PC and other cloud platforms for seamless cross-device gaming.



Image: A visual representation of the AceGamer C16 controller with a phone, surrounded by logos of supported gaming platforms including PS Remote Play, Xbox Remote Play, Steam Link, Apple Arcade, Xbox Game Pass, Stadia, Luna, Moonlight, Rainway, and NVIDIA GeForce NOW.

## 5.2 Hall Effect Joysticks and Triggers

The C16 features Hall Effect joysticks and linear triggers for enhanced precision and durability.

- **Hall Effect Joysticks:** Provide flawless, long-lasting precision with no latency, extended lifespan, no dead zones, and anti-drift capabilities.
- **Hall Effect Linear Triggers:** Offer precise, contactless magnetic sensing, deepening immersion in driving, shooting, and action-adventure games. They support adjustable fast trigger mode.

## Hall Effect Joysticks



No Latency



Long Life



No Dead Zone



Anti-Drift



## Hall Effect Linear Trigger

Support adjustable fast trigger mode

User-defined selection of long key stroke and short key stroke, free switching of racing /FPS mode/action /RPG game.



Image: A split image showing the internal mechanism of a Hall Effect joystick with its magnetic sensor and a Hall Effect linear trigger glowing blue, emphasizing their precision and contactless operation.

### 5.3 Mechanical Microswitch Buttons

The ABXY buttons are equipped with mechanical microswitches, designed for durability and responsive feedback.

- Withstand up to 5 million clicks.
- Offer hyper-responsive actuation with fast response and clear tactile feedback.
- The distinct "click" sound enhances the gaming experience.



# Customize RGB Light Effects

Create your own game atmosphere



Dazzle Mode



Monochrome Mode



Light off Mode



Dynamic Brightness Adjustment of Rocker



Image: A close-up view of the controller's ABXY buttons, revealing the mechanical microswitches underneath. Below, a diagram illustrates the ABXY key value interchange between PC mode (Xbox layout) and Switch mode.

## 5.4 Advanced Features

### 5.4.1 Macro Programming

Program the M1 and M2 buttons with custom key combinations.

- Supports up to 24 key combinations.
- Features shutdown memory function, retaining your programmed macros.

### 5.4.2 Turbo Function

Activate rapid-fire for specific buttons.

- Adjustable to 3 speeds: 5, 12, or 20 presses per second.
- Applicable keys include A, B, X, Y, LB, RB, LT, RT.
- To activate: Press and hold the **Turbo** button, then press the desired action button. Repeat to cycle through speeds or deactivate.
- Note: Turbo settings are not saved after power off.





Image: A visual guide demonstrating macro programming for M1 and M2 buttons with up to 24 key combinations, and the three adjustable turbo speeds (5, 12, 20 shots/s) for various action buttons.

### 5.4.3 RGB Aperture Light Effects

Customize the joystick lighting to match your preference.

- **8-color switching:** Cycle through different monochrome colors.
- **Dazzle Mode:** Displays a flowing multi-color effect.
- **Light off Mode:** Turns off the RGB lighting.
- **Dynamic Brightness Adjustment:** Joystick lighting changes based on joystick position.
- To change modes: Press **Turbo + LED Key** (usually the Home button or a dedicated light button).

# Mechanical Microswitch Buttons

· Millisecond trigger · Zero delay · Super long life · Quality experience



## ABXY Key Value Interchange

Switch/xbox layout exchange

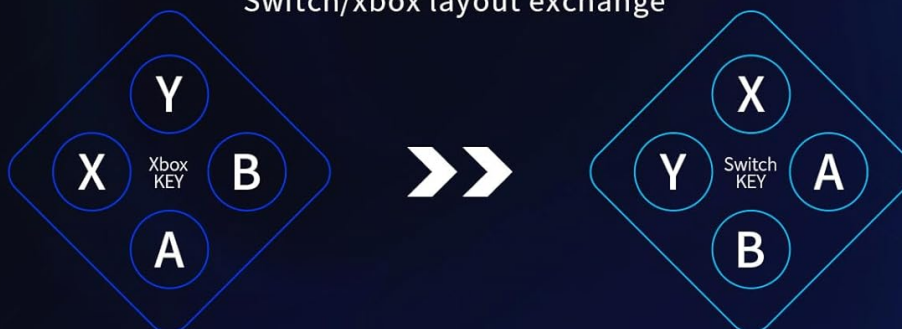


Image: A visual guide demonstrating the customizable RGB light effects for the joysticks, including Dazzle Mode, Monochrome Mode, and Light off Mode, with instructions on how to change them.

### 5.4.4 ABXY Key Value Interchange

Switch the ABXY button layout between PC mode (Xbox layout) and Switch mode.

- To interchange: Press and hold **Turbo + O + Home** for 3 seconds. The lights will blink three times to confirm.
- Note: This function is not saved after power off.

### 5.4.5 Fast Trigger Mode

Shortens the trigger stroke for quicker response in shooting games.

- To activate: Press and hold **Turbo + M** for 3 seconds. The LED light will flash 2Hz for 1 second to confirm.
- Note: This function is not saved after power off.

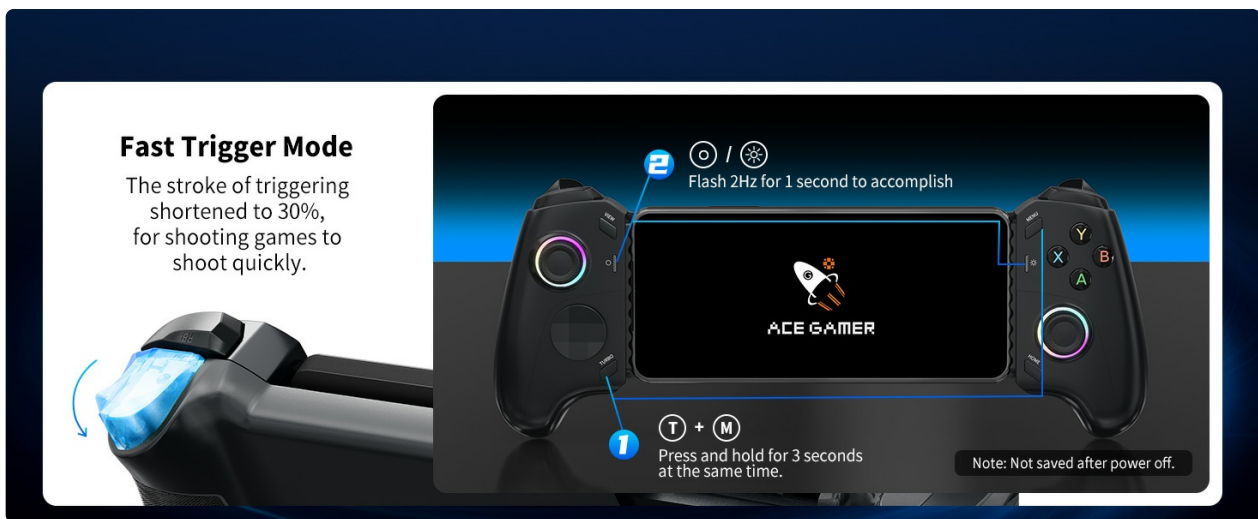


Image: A diagram illustrating the steps to activate Fast Trigger Mode by pressing Turbo + M for 3 seconds, shortening the trigger stroke for shooting games.

#### 5.4.6 One-Button Screenshot

Quickly capture screenshots during gameplay.

- Press the dedicated **Screenshot** button (located near the left joystick) to take a screenshot.

## 6. MAINTENANCE

### 6.1 Cleaning

To maintain the controller's condition, wipe it regularly with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.

### 6.2 Storage

When not in use, store the controller in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the controller is fully retracted to its compact size for storage.

## 7. TROUBLESHOOTING

### 7.1 Joystick Calibration (Deviation or Insensitivity)

If you experience joystick deviation or insensitivity, you can recalibrate them:

1. Press and hold **View + M + Home** buttons simultaneously for 3 seconds. The LED lights and rocker lights will flash white.
2. Press the '**A**' button to confirm the initial state.
3. Swing the left and right joysticks in a full circle 3 times each.
4. Press the L2 and R2 triggers to the bottom 3 times each.
5. Press the '**A**' button to complete the calibration. The LED lights and rocker lights will return to normal.



### How to calibrate the deviation or insensitivity of rocker operation?



Image: A four-step diagram illustrating the process of calibrating joystick deviation or insensitivity, showing button presses and joystick movements.

## 7.2 Turning Off Rocker Dead Zone (Zero Delay Mode)

To eliminate any joystick dead zone for maximum responsiveness:

1. Press and hold **Turbo + L1** for 3 seconds. The left rocker light will flash 2Hz twice to confirm.
2. Press and hold **Turbo + R1** for 3 seconds. The right rocker light will flash 2Hz twice to confirm.

Note: This function is not saved after power off.

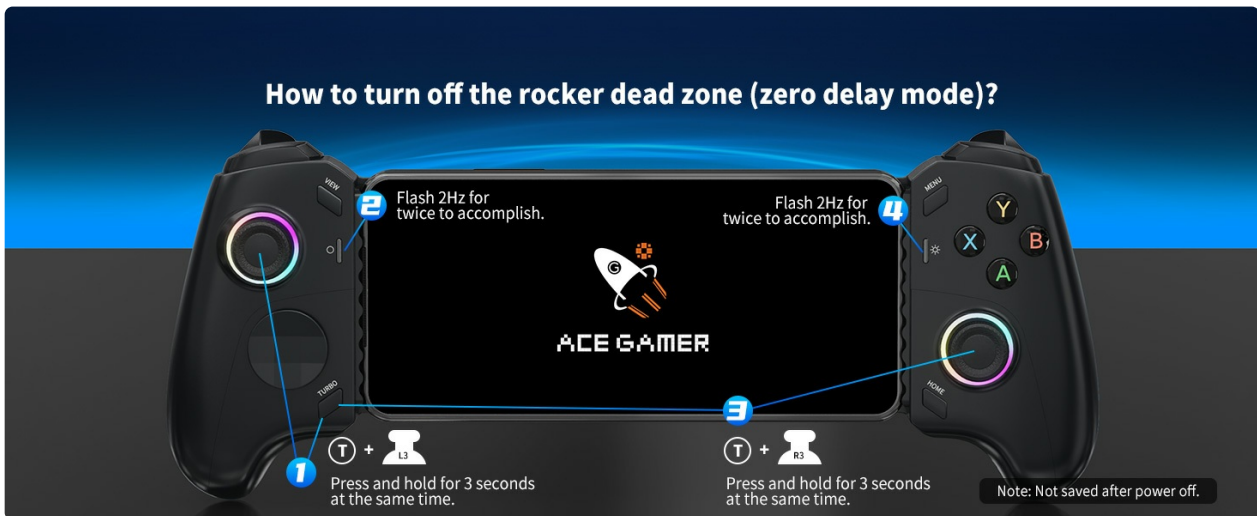


Image: A diagram illustrating the steps to turn off the rocker dead zone (zero delay mode) for both left and right joysticks by pressing Turbo + L1 and Turbo + R1 respectively.

## 7.3 Connectivity Issues

- **Ensure proper fit:** Verify that your phone is securely connected to the USB-C port and that its case is not interfering with the connection (cases thicker than 1mm are not recommended).
- **Restart device:** Disconnect the controller, restart your mobile device, and then reconnect the controller.

## 8. SPECIFICATIONS

Feature	Detail
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Model Name	C16 Mobile Game Controller
Dimensions (Controller)	240mm * 130mm * 57mm (approx.)
Item Weight	0.317 ounces (approx. 9 grams)
Supported Phone Length	102-176 mm (adjustable stretchable design)
Connectivity	USB-C Direct Connection
Charging Protocol	PD2.0 (for pass-through charging)
Joystick Type	Hall Effect Joysticks
Trigger Type	Hall Effect Linear Triggers
Button Type	Mechanical Microswitch Buttons (5 million click lifespan)
Special Features	Macro Programming, 3-Speed Turbo, RGB Lighting, ABXY Key Value Interchange, Joystick Non-Dead Zone Mode, Quick Trigger Mode, One-Button Screenshot
Manufacturer	AceGamer

## 9. WARRANTY AND SUPPORT

AceGamer provides warranty service for this product. If you encounter any questions or problems with your C16 Mobile Gaming Controller, please contact AceGamer customer support for assistance. Refer to your purchase documentation or the official AceGamer website for specific warranty terms and contact information.

### Related Documents - C16

	<p><a href="#">AceGamer Aurora PC Wireless Game Controller Product Manual</a></p> <p>User manual for the AceGamer Aurora PC Wireless Game Controller, covering product description, key features, connectivity options (wired, Bluetooth, receiver), functional adjustments, calibration, macro programming, light effects, power management, security, and reset procedures.</p>
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<div><p>Wireless Gaming Controller</p><p>DuoShadow</p><p>User Manual</p><p>- 1 -</p></div>	<p><a href="#">ACEGAMER DuoShadow Wireless Gaming Controller User Manual</a></p> <p>Comprehensive user manual for the ACEGAMER DuoShadow wireless gaming controller, detailing setup, features, calibration, programming, charging, and specifications for use with Nintendo Switch and PC.</p>
<div><p>Model No. N-S/PC/iOS/Android Pocket Controller Wireless Controller</p><p>Product Manuals</p></div>	<p><a href="#">AceGamer Pocket Controller User Manual for N-S, PC, iOS, Android</a></p> <p>Comprehensive user manual for the AceGamer Pocket Controller, detailing features, connectivity options for N-S, PC, iOS, and Android, turbo functions, calibration, and app integration. Includes product parameters and security instructions.</p>
<div><p>User Guide for C16 True Wireless Stereo Earphones</p></div>	<p><a href="#">C16 True Wireless Stereo Earphones User Guide</a></p> <p>User guide for C16 True Wireless Stereo Earphones, covering specifications, setup, functions, charging, maintenance, and troubleshooting.</p>