AOC GL150BA/27

AOC GL150BA/27 TV LED Backlight User Manual

Model: GL150BA/27 | Brand: AOC

INTRODUCTION

This manual provides comprehensive instructions for the AOC GL150BA/27 TV LED Backlight (11.5FT model), designed for 32-50 inch TVs. This system enhances your viewing experience by synchronizing ambient lighting with on-screen content. It features advanced optical color capture, high-density RGB LEDs, and smart app control for personalized lighting effects.

Key Features

- **Real-Time Screen Sync:** Experience immersive viewing with colors that instantly mirror on-screen content, bringing movies, games, and sports to life.
- **Upgraded Optical Color Capture:** Advanced sensors precisely capture colors, unaffected by ambient light, for rapid 0.03s synchronization.
- **16-bit RGB LED:** Each LED delivers up to 16 million colors with ultra-smooth gradients and realistic transitions for lifelike visuals.
- **60 RGB LEDs/m:** Double the LED density (60 vs. 30 LEDs/m) for brighter, more vivid, and striking lighting effects.
- **Smart App Control & DIY Modes:** Customize colors, brightness, and effects freely using the uLamp app, offering 4 modes, 32 scene presets, 6 music modes, and fully customizable DIY settings.
- **Automatic On/Off Function:** Built-in screen detection automatically turns the backlight on when the screen is active and powers down after 5 minutes of inactivity, eliminating the need for a remote.

WHAT'S IN THE BOX

Verify that all components are present in your package:

- Sensor Machine (x1)
- LED Light Strip (x1)
- Power Adapter (x1)
- Alcohol Wiping Cloth (x1)
- 3M Adhesive (x1)
- Fixed Buckles (x12)
- Instruction Manual (x1)

- Quick Guide (x1)

Product list

This image displays all components included in the AOC TV LED Backlight package: the LED light strip, sensor machine, power adapter, alcohol wiping cloth, 3M adhesive, fixed buckles, instruction manual, and quick guide.

SETUP INSTRUCTIONS

Follow these steps to properly install your AOC TV LED Backlight.

Step 1: Prepare the TV Surface

Before attaching the LED strip, ensure the back of your TV is clean and dry. Use the provided alcohol wiping cloth to thoroughly clean the surface where the strip will be applied. Allow it to dry completely to ensure optimal adhesion.

Step 2: Attach the LED Light Strip

Carefully peel the adhesive backing from the LED strip. Begin attaching the strip from the top center of your TV, near where the sensor unit will be placed. Work your way counter-clockwise around the perimeter of the TV. When turning corners, gently bend the strip to avoid damage. Use the included fixed buckles for additional support, especially at corners and along longer sections. If the strip is too long for your TV, it can be cut at designated marks (usually indicated by a scissor icon) to fit perfectly.

Step 3: Place the Sensor Unit

Position the sensor unit at the top center of your TV. The gravity suspension structure is designed to hold it securely. Ensure the sensor's lens is facing forward, towards the TV screen, to accurately capture colors. If needed, use the 3M adhesive to further secure the sensor unit.

Gravity Suspension Structure
Simplifies installation and easily adapts to most ultra-thin TVs.

90°

*Use 3M adhesive tape to securely mount the camera when necessary.

The gravity suspension structure of the sensor unit simplifies installation and allows it to adapt to most ultra-thin TVs. It can be secured with 3M adhesive tape if necessary.
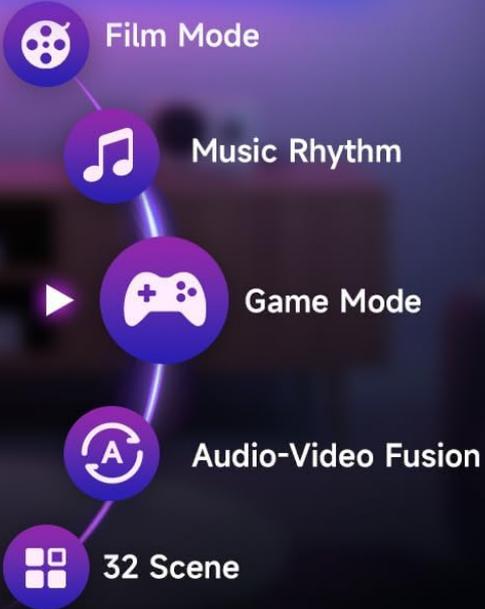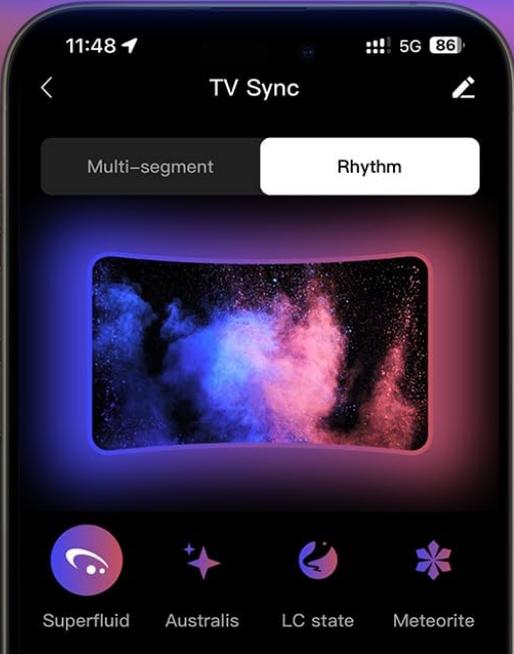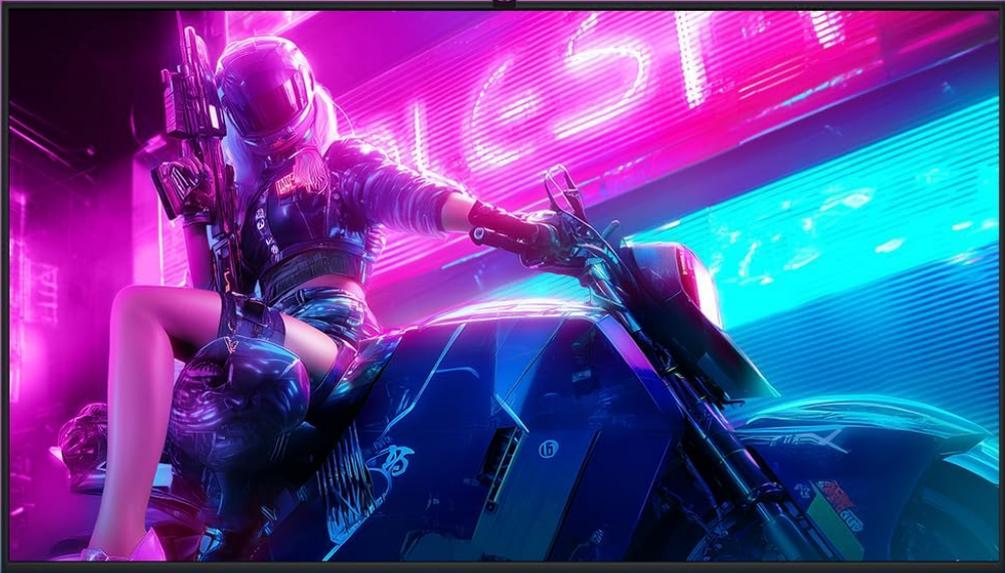
Step 4: Connect Power Cables

Connect the LED light strip to the sensor unit, and then connect the power adapter to the sensor unit. Plug the power adapter into a suitable power outlet. Ensure all connections are secure.

Step 5: uLamp App Control Setup

Download the 'uLamp' app from your smartphone's app store. Open the app and follow the on-screen instructions to connect to your AOC TV LED Backlight via Bluetooth. You may need to agree to user agreements and privacy policies. Once connected, the app will guide you through setting the LED strip installation direction (clockwise or counter-clockwise) and adjusting the number of lights based on your cut length for accurate synchronization.

The uLamp app provides comprehensive control over the TV backlight, offering 4 modes, 32 scene presets, 6 music modes, and fully customizable DIY settings for color, brightness, and effects.

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This video provides a step-by-step guide on how to install the AOC TV LED Backlight. It covers cleaning the TV surface, attaching the LED strip, positioning the sensor unit, connecting power cables, and initial setup using the uLamp app.

OPERATING INSTRUCTIONS

Using the uLamp App

Once connected via the uLamp app, you can control various aspects of your TV LED Backlight:

- **Modes:** Select from 4 distinct lighting modes to suit your activity.
- **Scene Presets:** Choose from 32 pre-set scenes for instant ambiance.
- **Music Modes:** Activate one of 6 music modes to synchronize lights with audio.
- **DIY Settings:** Create and save your own custom color, brightness, and effect combinations.
- **Brightness and Color Adjustment:** Fine-tune the light output and color palette to your preference.

Automatic On/Off Function

The backlight system is equipped with a screen detection feature. It will automatically turn on when your TV screen becomes active and will power down after 5 minutes of inactivity, providing energy efficiency and convenience.

An example of the AOC TV LED Backlight in action, enhancing a living room environment by extending the on-screen colors onto the wall, creating a more immersive entertainment experience.

Your browser does not support the video tag.

This video demonstrates the real-time screen synchronization feature of the AOC GL150 TV LED Backlight, showcasing how the lights dynamically change to match the colors displayed on the TV screen for an immersive viewing experience.

MAINTENANCE

To ensure the longevity and optimal performance of your AOC TV LED Backlight, follow these maintenance guidelines:

- **Cleaning:** Periodically wipe the LED strip and sensor unit with a soft, dry cloth to remove dust. Avoid using

harsh chemicals or abrasive cleaners.

- **Handling:** Avoid excessive bending or pulling of the LED strip, especially at connection points, to prevent damage.
- **Storage:** If storing the unit for an extended period, ensure it is clean, dry, and stored in a cool, dark place.

TROUBLESHOOTING

If you encounter issues with your AOC TV LED Backlight, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Lights not turning on	No power, loose connection, TV not active.	Check power adapter connection and outlet. Ensure LED strip is securely connected to the sensor. Verify TV is on and displaying content.
Colors not syncing correctly	Sensor obstructed, incorrect app settings, ambient light interference.	Ensure sensor lens is clear and facing the screen. Check uLamp app settings for correct LED strip direction and length. Minimize direct ambient light on the sensor.
App not connecting to device	Bluetooth off, device out of range, app glitch.	Ensure Bluetooth is enabled on your phone. Move closer to the device. Restart the app or your phone. Re-pair the device in the app.
Lights are dim or inconsistent	Low brightness setting, damaged LED segment.	Adjust brightness in the uLamp app. Inspect the LED strip for any visible damage.

SPECIFICATIONS

Feature	Detail
Model Number	GL150BA/27
Brand	AOC
Color	Multicolor
Indoor/Outdoor Usage	Indoor
Special Features	Automatic On-Off, Color Changing, Dimmable
Light Source Type	LED
Power Source	Corded Electric
Light Color	Multicolor
Theme	RGB TV Lighting
Occasion	TV
Material	Plastic

Feature	Detail
Controller Type	App Control
Control Method	App
Unit Count	1.0 Count

Warranty & Support

This product comes with a **3-year manufacturer warranty**. For any product issues or support inquiries, please refer to your purchase documentation or contact AOC customer service.

Additional protection plans may be available for purchase, including 3-Year and 4-Year Protection Plans, and a monthly Complete Protect plan. Please check your retailer for details.