

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Govee](#) /
- › [Govee TV Backlight 3 Pro User Manual for 55-65 Inch TVs \(Model H66A0\)](#)

## Govee H66A0

# Govee TV Backlight 3 Pro User Manual

Model: H66A0 | For 55-65 Inch TVs

## INTRODUCTION

---

This manual provides detailed instructions for the installation, operation, and maintenance of your Govee TV Backlight 3 Pro. This system enhances your viewing experience by synchronizing ambient lighting with your TV screen content.

The Govee TV Backlight 3 Pro features an HDR triple camera for precise color capture, a high-density RGBWWIC LED strip, and smart home integration capabilities.

## WHAT'S IN THE BOX

---

Verify that all components are present before beginning installation:

- 11.8ft LED strip lights × 1
- Camera × 1
- Adapter × 1
- Control box × 1
- Mounting Clips and Adhesives
- User Manual



- Ensure your TV screen and back are clean and free of dust or oils.
- Unplug the TV from the power outlet.

## Step 2: Camera Placement

Position the camera on the top center of your TV, ensuring it is at a 90-degree angle to the screen. The camera's gravitational hanging design adapts to most ultra-thin TVs.

Image: Camera installation and recommended light strip placement for different TV sizes.

For 55-65 inch TVs, ensure the light strip is placed approximately 0.5cm from the edge. For 65-85 inch TVs, the recommended distance is 3-5cm from the edge.

## Step 3: Attach the LED Strip

Carefully attach the LED strip to the back of your TV, following the recommended distances from the edges. Use the provided clips and adhesives to secure the strip and connecting wires. Ensure the strip is evenly distributed around the perimeter of the TV.

## Step 4: Connect Components

- Connect the LED strip to the control box.
- Connect the camera to the control box.
- Connect the power adapter to the control box, then plug it into a power outlet.

## Step 5: Calibration

Accurate calibration is essential for optimal color synchronization. Follow these steps using the Govee Home app:

1. Download and install the Govee Home app on your smartphone.
2. Register or log in to your Govee account.
3. Add your Govee TV Backlight 3 Pro device in the app.
4. Attach the orange foam calibration markers to the screen as instructed by the app.
5. During app calibration, drag the blue points to align with the orange foam markers on your screen. Ensure the center point remains within the screen area.
6. Once the initial calibration is complete, play a solid grey image on your TV screen.
7. Perform a one-click white balance calibration via the app to fine-tune color accuracy.



## OPERATION

---

The Govee TV Backlight 3 Pro offers various modes and controls for a customized lighting experience.

### Govee Home App Control

The primary method of control is through the Govee Home app. From the app, you can:

- Adjust brightness and color.
- Select from various scene modes.
- Enable the AI Filter function for movie matching atmosphere.
- Configure DreamView sync with other Govee lights.
- Access advanced settings like black bars elimination and blank screen detection.

# One-Tap AI Color Mixing

Intelligently matches movie night's atmosphere



AI Filter



AI Filter



Image: Demonstration of the AI Filter function for movie atmosphere matching.



Image: Govee app interface for Intelligent Black Screen Detection settings.

## Voice Control and Smart Home Integration

The Govee TV Backlight 3 Pro is compatible with Matter, Alexa, and HomeKit, allowing for voice control and integration into your smart home ecosystem.

- **Alexa/Google Home:** Link your Govee account in the respective smart home app to enable voice commands for power, brightness, and color changes.
- **Matter:** Utilize Matter for seamless integration with other Matter-compatible devices, expanding your smart home control options.



Image: Govee TV Backlight 3 Pro compatibility with Matter, Google Home, and Alexa.

## Key Features

- **HDR Image Capture:** The HDR sensor captures both short and long exposures to maintain detail in bright and dark scenes, ensuring precise color sampling.
- **Triple Camera System:** Expands the color-picking area by 50% and improves accuracy by independently capturing colors across multiple calibrated zones.
- **High-Density LED Strip:** Features 75 LEDs/m and 5-in-1 RGBWWIC lamp beads for brighter output and blending of cool and warm white tones.
- **LuminBlend™ Technology:** A built-in 16-bit chip and intelligent color-mixing algorithm deliver accurate colors and smoother gradients.

- **Black Edge Elimination:** Intelligently avoids color distortion caused by black bars in content.
- **DreamView Sync:** Synchronizes lighting with up to 10 other Govee lights for an expanded immersive experience.



**Work with Matter**

With Matter, you can connect the Govee TV Backlight 3 Pro with different smart devices, not limited to only one ecosystem. Now, you have more options to build your smart home without worrying about compatibility issues.





Image: Dual-Exposure HDR Algorithm for enhanced detail.

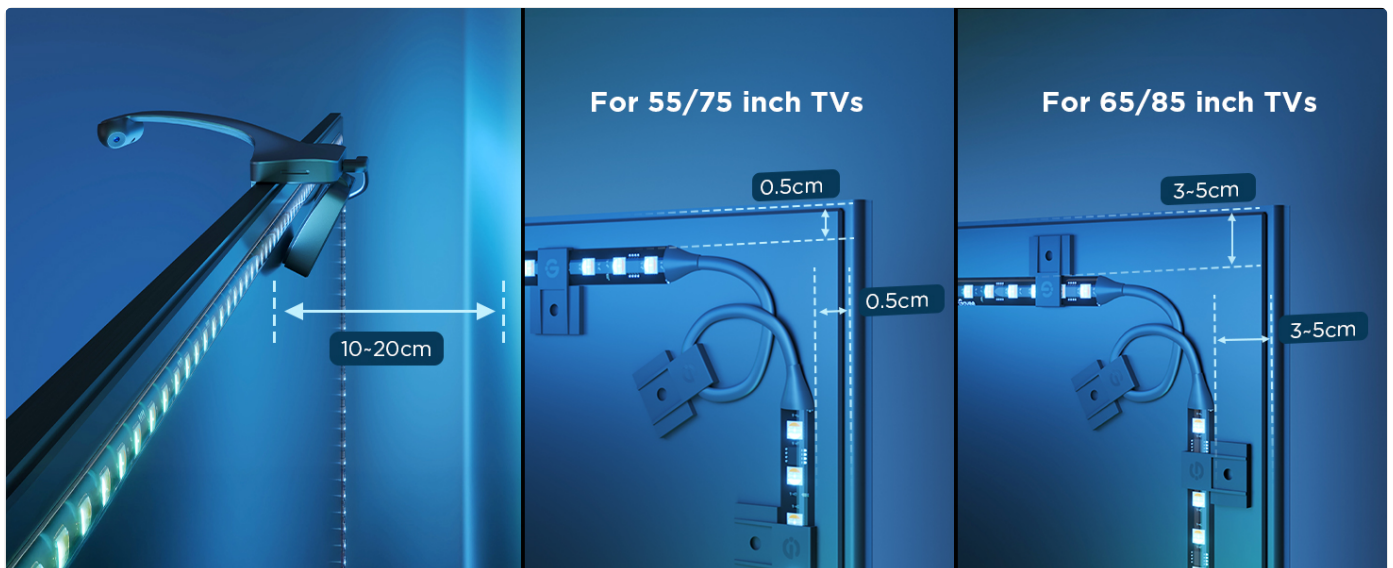


Image: Intelligent Black Edge Elimination in action.



Image: RGBWWIC 5-Way Control for versatile white light.



Image: Three versatile zoning modes for customized viewing.

## MAINTENANCE

---

The Govee TV Backlight 3 Pro requires minimal maintenance.

- **Cleaning:** Gently wipe the camera lens and LED strips with a soft, dry cloth to remove dust. Do not use liquid cleaners directly on the components.
- **Software Updates:** Regularly check the Govee Home app for firmware updates to ensure optimal performance and access to new features.

## TROUBLESHOOTING

---

If you encounter issues with your Govee TV Backlight 3 Pro, refer to the following common solutions:

### Lights Not Turning On

- Ensure all cables are securely connected: power adapter to control box, control box to LED strip, and camera to control box.
- Verify the power outlet is functional.
- Check if the device is powered on via the Govee Home app or control box button.

### Inaccurate Color Synchronization

- **Recalibrate the Camera:** Perform the calibration process again through the Govee Home app, ensuring the orange foam markers are correctly placed and blue points are accurately aligned.
- **White Balance:** Re-run the one-click white balance calibration in the app with a solid grey or white image on your TV.
- **Lighting Conditions:** Ensure the room lighting does not interfere with the camera's ability to accurately read the screen. Avoid direct light on the TV screen or camera.
- **HDR Function:** If HDR function causes issues, try adjusting its settings in the app or temporarily disabling it for testing.

### App Connectivity Issues

- Ensure your smartphone's Bluetooth or Wi-Fi is enabled and within range of the device.
- Restart the Govee Home app.

- Unplug and replug the device's power adapter to restart it.
- Check your Wi-Fi network connection.

## LED Strip Not Sticking

- Ensure the TV surface was clean and dry before application.
- Press firmly along the entire length of the strip during installation.
- Use additional adhesive clips or strong double-sided tape if necessary.

## SPECIFICATIONS

<b>Model Number</b>	H66A0
<b>Brand</b>	Govee
<b>Color</b>	Multicolor (Black components)
<b>Indoor/Outdoor Usage</b>	Indoor
<b>Light Source Type</b>	LED (RGBWWIC)
<b>Power Source</b>	Corded Electric
<b>Controller Type</b>	App Control, IFTTT, Siri, Voice Control (Alexa, HomeKit, Google Home)
<b>Number of Light Sources</b>	270
<b>LEDs per Meter</b>	75
<b>Item Weight</b>	2.46 pounds
<b>UPC</b>	810172721357

## WARRANTY INFORMATION

Govee products typically come with a limited warranty. Please refer to the warranty card included in your product packaging or visit the official Govee website for the most current and detailed warranty policy specific to your region and product model.

Keep your purchase receipt as proof of purchase for any warranty claims.

## CUSTOMER SUPPORT

For further assistance, technical support, or inquiries, please contact Govee customer service:

- **Govee Official Website:** [www.govee.com](http://www.govee.com)
- **Email Support:** Refer to the Govee app or website for specific support email addresses.
- **In-App Support:** Access the help section within the Govee Home app for FAQs and direct support options.

