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## Govee H6604C

# Govee HDMI 2.1 Sync Box 2 Instruction Manual

Brand: Govee | Model: H6604C

## INTRODUCTION

This manual provides detailed instructions for the Govee HDMI 2.1 Sync Box 2, an AI Sync Box with TV Backlight designed to enhance your viewing experience. It supports high-resolution video up to 8K@60Hz and 4K@144Hz, along with advanced features like VRR and ALLM. The device integrates with Matter and Alexa for smart home control and utilizes an RGBIC LED light strip for immersive lighting. This model is specifically designed for 75-85 inch TVs.



Image: Govee HDMI 2.1 Sync Box 2, showing the sync box, LED light strip, and remote control.

## WHAT'S IN THE BOX

- HDMI 2.1 Sync Box \*1
- Strip Lights \*1
- Power Adapter \*1
- HDMI 2.1 Cable \* 2

# What's in the box



*Image: All components included in the Govee HDMI 2.1 Sync Box 2 package.*

## SETUP AND INSTALLATION

Follow these steps to properly set up and install your Govee HDMI 2.1 Sync Box 2:

1. **Clean the Installation Area:** Use an alcohol prep pad to clean the back of your TV where the light strip will be installed. Ensure the surface is dry and free of dust.
2. **Install the Light Strip:** Carefully peel off the adhesive backing from the RGBIC LED light strip and firmly press it along the edges of your 75-85 inch TV. Ensure the strip is positioned correctly for optimal light distribution.
3. **Secure Corner Joints:** Use the provided mounting clips to secure the light strip at the corners of your TV. This helps maintain proper alignment and prevents the strip from detaching.

4. **Connect the Light Strip to the Sync Box:** Connect the light strip to the designated Type-C ports on the HDMI Sync Box.
5. **Connect Input Devices:** Connect your HDMI input devices (e.g., gaming consoles, streaming boxes) to the HDMI IN ports on the Sync Box using the provided HDMI 2.1 cables.
6. **Connect to TV:** Connect the HDMI OUT port of the Sync Box to an HDMI input on your TV using an HDMI 2.1 cable.
7. **Power On:** Connect the power adapter to the Sync Box and plug it into a power outlet.
8. **Pair with Govee Home App:** Download the Govee Home App from your smartphone's app store. Follow the in-app instructions to pair your AI Sync Box 2. Calibrate the positions of the lights as instructed within the app for accurate screen synchronization.

Your browser does not support the video tag.

*Video: Official Govee US guide on how to install the Govee AI Sync Box 2.*

## OPERATING INSTRUCTIONS

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The Govee HDMI 2.1 Sync Box 2 offers various functionalities to enhance your entertainment experience:

- **Screen and Lighting Synchronization:** The latest HDMI 2.1 interface enables seamless synchronization between your screen content and the LED lighting.
  - **CogniGlow Technology:** The Govee Sync Box uses AI to automatically recognize images and text on your screen, triggering specific lighting effects to match the content.
  - **High-Resolution Support:** Enjoy resolutions up to 8K@60Hz and 4K@144Hz. The Sync Box also supports VRR (Variable Refresh Rate) and ALLM (Auto Low Latency Mode) to reduce screen tearing and latency, providing a smoother experience.
  - **RGBWIC Four-Color Mixing:** The LED light strip features RGBWIC technology, ensuring purer white light and accurate color blending for vibrant and precise lighting effects.
  - **Matter Support:** Seamlessly integrate your Sync Box with multiple smart ecosystems for convenient voice control of lighting-related functions.
  - **DreamView:** Synchronize colors across multiple Govee lights to create an immersive gaming or viewing environment. Supports Dolby Vision and Dolby Atmos.
  - **App Control:** Utilize the Govee Home App for comprehensive control over lighting modes, colors, brightness, and other settings.
  - **Voice Control:** Control lighting functions using voice commands via Matter and Alexa.
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*Image: An immersive gaming setup utilizing the Govee AI Sync Box 2.*

## IMPORTANT NOTES

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- **Automatic Signal Switching:** Automatic signal switching is not supported when multiple devices are connected to the HDMI IN ports. You may need to manually switch inputs.
- **HDR, HDR10+, and Dolby Vision:** When using HDR, HDR10+, or Dolby Vision, the saturation of the light's color might decrease due to functional characteristics. This is normal. You can adjust the saturation in the Govee Home App to achieve your desired lighting effect.

## SPECIFICATIONS

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<b>Brand</b>	Govee
<b>Model Number</b>	H6604C
<b>Color</b>	Black (Multicolor lights)
<b>HDMI Interface</b>	HDMI 2.1
<b>Supported Resolutions</b>	8K@60Hz, 4K@144Hz
<b>Special Features</b>	VRR, ALLM, Matter Support, AI Sync, RGBWIC, DreamView
<b>LED Density</b>	75 LEDs/m
<b>Light Source Type</b>	LED
<b>Power Source</b>	Corded Electric
<b>Control Method</b>	App, Voice (Alexa, Matter)
<b>Indoor/Outdoor Usage</b>	Indoor
<b>Item Weight</b>	4.64 pounds
<b>UPC</b>	810088349850

## Elevate Your Game with Upgraded Specs



Port	HDMI 2.0	HDMI 2.1
LED Density	60 LEDs/m	75 LEDs/m
LED Tech	RGBIC	RGBWIC
HDMI Inputs	3	4
Matter	✗	✓
VRR	✗	✓
ALLM	✗	✓
4K 144Hz	✗	✓
8K 60Hz	✗	✓

Image: Detailed comparison of specifications between Govee AI Gaming Sync Box and Govee AI Sync Box 2.

## TROUBLESHOOTING

### • No Light or Incorrect Colors:

- Ensure all HDMI cables are securely connected to the correct IN/OUT ports.
- Verify the light strip is properly connected to the Sync Box.
- Check the Govee Home App for correct light calibration and settings.
- Confirm the power adapter is connected and receiving power.

### • No Automatic Signal Switching:

- The device does not support automatic signal switching with multiple input devices. Manually select the desired HDMI input via the Sync Box or Govee Home App.

- **Color Saturation Issues with HDR/Dolby Vision:**

- As noted, color saturation may decrease with HDR/HDR10+/Dolby Vision content. Adjust the saturation setting within the Govee Home App to compensate.

- **Connectivity Problems:**

- Ensure your Wi-Fi network is stable and the Sync Box is within range.
- Restart the Sync Box and your router if connectivity issues persist.

## **WARRANTY AND SUPPORT**

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For warranty information, please refer to the After-Sales Service Card included in your product package. For further assistance or technical support, please visit the official Govee website or contact Govee customer service.