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HAMLITE RGB-35M

HAMLITE TV LED Backlight Instruction Manual

Model: RGB-35M

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1. PRODUCT OVERVIEW

The HAMLITE TV LED Backlight is designed to enhance your viewing experience by providing ambient bias lighting behind your television. This 8.2-foot LED strip is suitable for 32-60 inch TVs, reducing eye strain and adding a vibrant atmosphere to your entertainment space. It features multiple colors, various modes, and easy installation.



Image 1.1: HAMLITE TV LED Backlight kit components and a TV with blue bias lighting.

Before



After



Image 1.2: Comparison of a TV setup before and after installing the HAMLITE LED backlight, demonstrating the ambient lighting effect.

2. KEY FEATURES

- **Custom 8.2Ft Length:** Designed to cover four sides of 32-43 inch TVs and provide ambient lighting for 50-60 inch TVs.
- **Automatic Sync:** LED strip lights sync on/off with most TVs automatically for convenience.
- **Vibrant Lighting:** Offers 17 colors, including 5000K white, to reduce eye strain and enhance the viewing experience.
- **Easy Installation:** Simple to install behind TVs with a flexible design that allows for easy bending around corners.
- **Multiple Modes:** Features 4 dynamic modes (flash, fade, strobe, smooth) with adjustable speed and brightness levels via IR remote control.
- **USB Powered:** Conveniently powered via a 5V1A USB port, compatible with TV USB ports, power banks, and phone adapters.
- **W-Type Light Strip:** Engineered with a W-type design for easy and neat bending at corners, ensuring consistent

light coverage.

Enjoy Colorful Home Theater Time



Image 2.1: Detailed features of the HAMLITE LED strip, highlighting brighter LEDs, strong adhesive, USB power, and the flexible W-type design for corners.

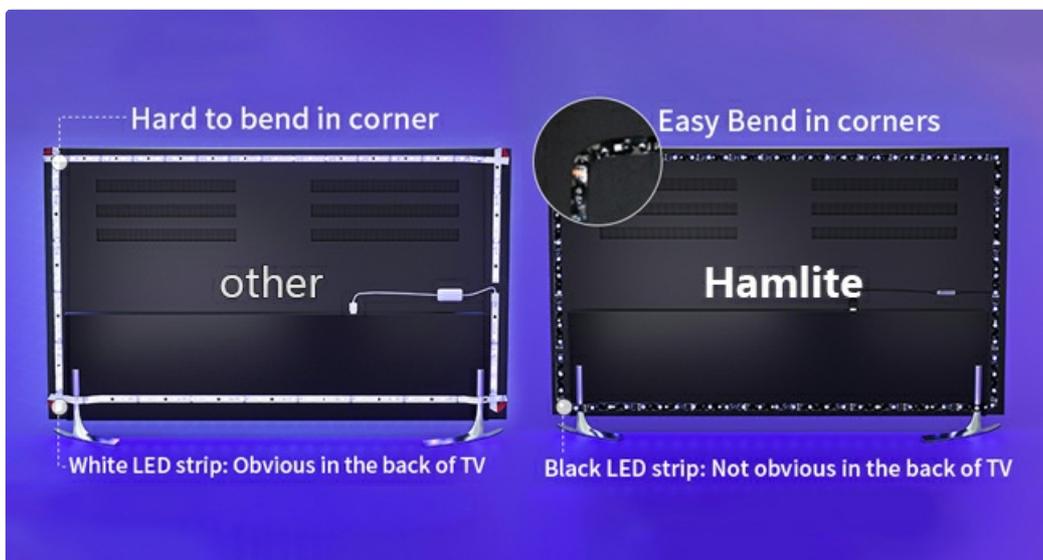


Image 2.2: Illustration comparing the easy-bend corner design of HAMLITE LED strips with the rigid design of other brands.



Image 2.3: Visual comparison showing HAMLITE's bright LED beads provide uniform lighting without dark corners, unlike other LED strips.

3. WHAT'S INCLUDED

Your HAMLITE TV LED Backlight package includes the following components:

- LED Strip Lights (8.2 feet)
- USB Cable (integrated with controller)
- IR Remote Control



Image 3.1: All components included in the HAMLITE TV LED Backlight kit.

4. TECHNICAL SPECIFICATIONS

Attribute	Value
Brand	HAMLITE
Model Number	RGB-35M
Size	For 32-60 inch TVs (8.2 feet)
Color	Multicolor
Light Source Type	LED
Power Source	5V1A USB Powered
Voltage	5 Volts
Wattage	5 watts
Color Temperature	5000 Kelvin
Number of Light Sources	45
Control Method	Remote Control

Attribute	Value
Indoor/Outdoor Usage	Indoor Use Only
Material	Plastic
Water Resistance Level	Not Water Resistant
Item Weight	4.2 ounces
Certification	CE

5. SETUP AND INSTALLATION

Follow these steps for optimal installation of your HAMLITE TV LED Backlight:

1. **Clean the Surface:** Ensure the back of your TV is clean and free of dust, oil, or moisture. Use a dry cloth to wipe the surface where the LED strip will be applied. A clean surface ensures strong adhesion.



Image 5.1: Thoroughly clean the TV's back surface before installation.

2. **Plan the Layout:** Determine the best path for the LED strip around the back of your TV. The 8.2ft strip is designed for full coverage on 32-43 inch TVs and top/sides coverage for 45-60 inch TVs.

Customized for 32-60 Inch TV

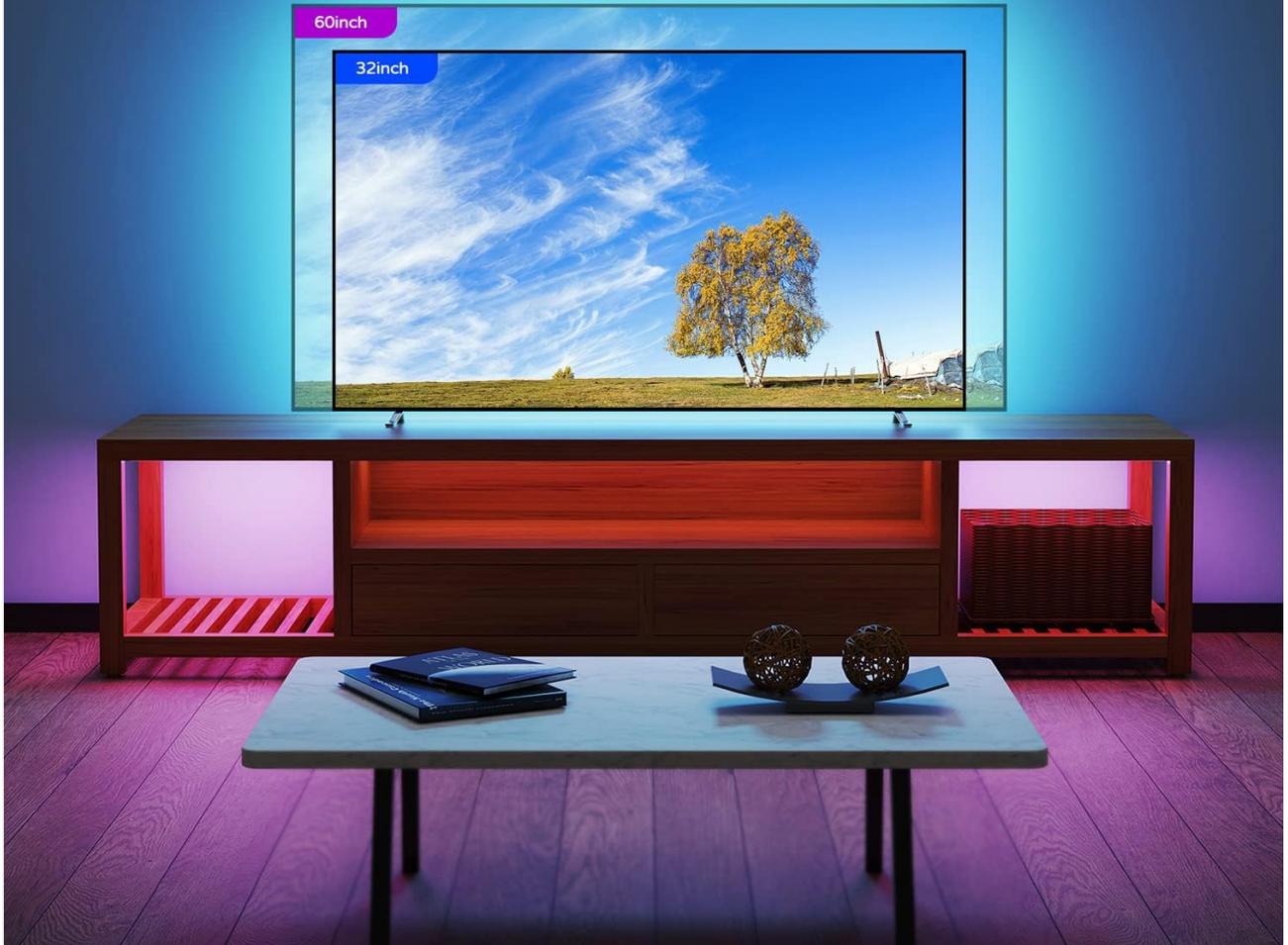


Image 5.2: Recommended installation patterns for different TV sizes.



Image 5.3: Visual guide for LED strip placement based on TV dimensions.

3. **Apply the LED Strip:** Carefully peel off the adhesive backing from the LED strip and firmly press it onto the back of your TV along your planned path. The W-type design allows for easy bending at corners without damaging the strip.
4. **Connect to USB Power:** Plug the USB connector of the LED strip into a 5V1A USB port on your TV or a compatible USB power adapter. Ensure the USB port provides sufficient power (at least 5V 1A).



Image 5.4: Connect the USB cable to an available USB port on your TV.

6. OPERATING INSTRUCTIONS

The HAMLITE TV LED Backlight can be controlled using the included IR remote control or, for some models, via a smart app.

6.1 Using the IR Remote Control

Point the remote control directly at the IR receiver on the USB cable. The remote allows you to:

- **Power On/Off:** Turn the lights on or off.
- **Color Selection:** Choose from 17 static colors, including white.
- **Brightness Adjustment:** Increase or decrease the light intensity.
- **Mode Selection:** Cycle through 4 dynamic modes (Flash, Strobe, Fade, Smooth).
- **Speed Control:** Adjust the speed of dynamic modes.

Sensitive IR Remote Control DIY Lighting Scene



16 static colors



Adjustable
brightness levels



Flash mode



Dynamic mode



Image 6.1: The sensitive IR remote control allows for easy customization of lighting scenes.



Image 6.2: The remote control features buttons for color selection, brightness, and mode changes.

6.2 TV Sync On/Off

The LED strip lights are designed to automatically turn on and off with most TVs when connected to a TV's USB port that provides power only when the TV is active. This feature offers seamless integration with your TV usage.

6.3 Smart App Control (If Applicable)

For models with Wi-Fi connectivity, you can control your HAMLITE LED Backlight using the Smart Life app. Download the app from your device's app store or scan the QR code provided on the product packaging or controller. Follow the in-app instructions to pair your device.



Image 6.3: Scan this QR code to download the Smart Life app for smart control. More information can be found at e.tuya.com/smartlife.

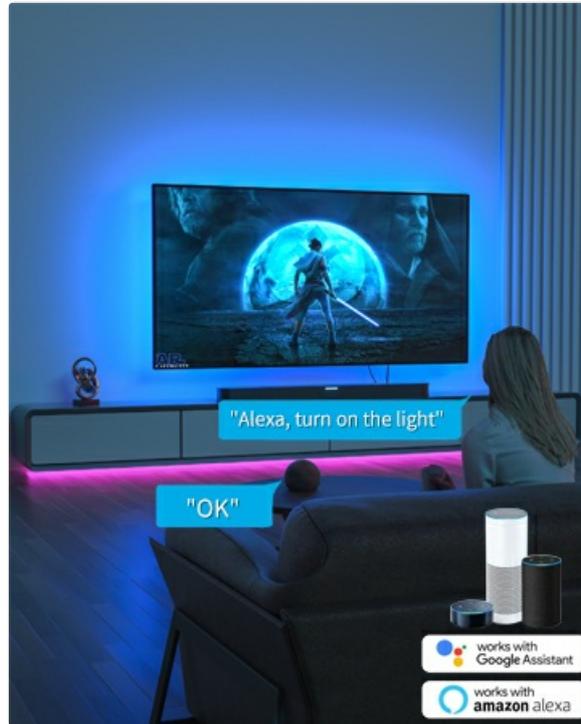


Image 6.4: The LED backlight can integrate with smart home systems for voice control (e.g., Alexa, Google Assistant).

7. MAINTENANCE

The HAMLITE TV LED Backlight requires minimal maintenance to ensure its longevity and performance.

- **Cleaning:** If the LED strip or remote control becomes dusty, gently wipe them with a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as they may damage the product.
- **Adhesive Care:** Avoid frequently repositioning the LED strip once installed, as this can weaken the adhesive. Ensure the surface is clean and dry during initial installation for best results.
- **Storage:** If you need to remove the LED strip for an extended period, carefully peel it off and store it in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

If you encounter any issues with your HAMLITE TV LED Backlight, please refer to the following common problems and solutions:

Problem: The LED lights do not turn on.

Solution:

- Ensure the USB cable is securely plugged into a working USB port.
- Verify that the USB port provides at least 5V 1A power output. Some older TV USB ports may not provide sufficient power. Try connecting to a phone charger (5V 1A or higher) to test.

- Check if the remote control's battery is inserted correctly and has power.
- Ensure the IR remote is pointed directly at the receiver on the USB cable.

Problem: The remote control is not responding.

Solution:

- Replace the remote control battery (CR2025 coin cell, typically).
- Ensure there are no obstructions between the remote and the IR receiver.
- Make sure you are within the effective range of the remote control.

Problem: The adhesive is not sticking well.

Solution:

- Ensure the TV surface was thoroughly cleaned and dry before application.
- Apply firm pressure along the entire length of the strip during installation.
- Avoid installing in dusty or humid environments.

Problem: Lights are dim or colors are inconsistent.

Solution:

- Ensure your USB power source meets the 5V 1A requirement. Insufficient power can lead to dimming or color issues.
- Check for any kinks or sharp bends in the LED strip that might be affecting the circuit.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

HAMLITE provides a lifetime warranty for this product. This warranty covers manufacturing defects and ensures prompt response and coverage of all costs in the replacement process.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact HAMLITE customer support:

- **Email:** support@svatac.com
- **Online Store:** Visit the official HAMLITE Store on Amazon for more products and information: [HAMLITE Amazon Store](#)

HAMLITE is committed to providing elegant and sophisticated LED lighting solutions and excellent customer service.