

[Manuals.plus](#) /

› [PANGTON VILLA](#) /

› PANGTON VILLA LED Strip Lights User Manual

PANGTON VILLA EK-40-60

PANGTON VILLA LED Strip Lights User Manual

Model: EK-40-60 | Brand: PANGTON VILLA

INTRODUCTION

Thank you for choosing PANGTON VILLA LED Strip Lights. This product is designed to enhance your viewing experience by providing vibrant bias lighting for 40-60 inch televisions. Powered by a standard USB interface, these 5050 LED strip lights offer 16 colors and 4 modes, controllable via an included 24-key remote. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and enjoyment of your LED strip lights.



Image: PANGTON VILLA LED Strip Lights installed on the back of a TV, emitting a blue light. This setup helps reduce eye strain and

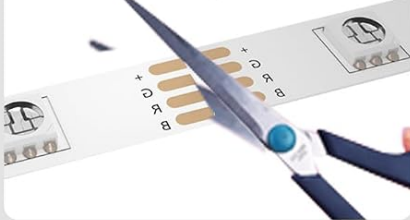
improves perceived picture contrast.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x LED Strip Lights (8.2ft / 2.5m for 40-60in Television)
- 1 x 24-Key IR Remote Control
- 1 x USB Power Cable with Mini Controller

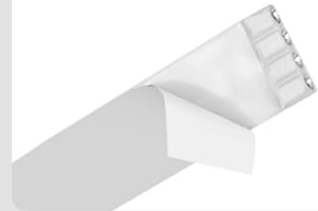
Cutting Area



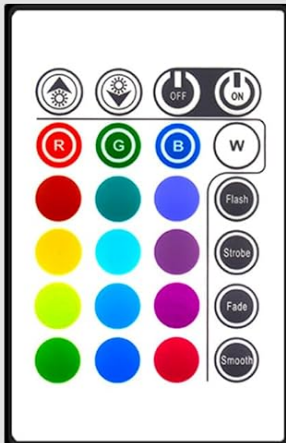
Mini Controller



Strong Adhesive



IR Remote



Unfold it when using



Image: A visual representation of the LED strip light kit components, including the remote, USB cable, mini controller, and the adhesive-backed LED strip.

FEATURES

- **Optimal Length:** 98.4in / 2.5m 5050 LED light strip, specifically designed for 40-60 inch TVs.

- **Enhanced Viewing:** Improves image clarity and reduces eye strain by providing balanced bias lighting.
- **Versatile Control:** Includes a 24-key remote offering 16 static colors and 4 dynamic modes (Flash, Strobe, Fade, Smooth). Control distance up to 19.6Ft-26.2ft.
- **Easy Installation:** Features double-sided adhesive tape for simple and secure mounting. Connection marks are provided on the strip for guidance.
- **USB Powered:** Conveniently powered by a DC 5V TV USB interface, eliminating the need for an extra power adapter.

Smart APP and IR Remote DUAL Control

16Million
Colors



Music Sync



Time Setting



ICRGB



Mic Mode



Image: Smart APP and IR Remote Dual Control capabilities.

Create Unique Atmosphere

Provide an extraordinary visual feast



Before

After

Image: Before and After installation, showcasing the atmospheric enhancement.

SETUP GUIDE

Follow these steps for proper installation of your PANGTON VILLA LED Strip Lights:

1. **Clean the Surface:** Ensure the back of your TV is clean and dry. Dust and oil can affect the adhesive.
2. **Plan the Layout:** Determine the best path for the LED strip around the back of your TV. The strip is designed to cover all four sides for 40-60 inch TVs. Refer to the installation diagram below for common TV sizes.
3. **Peel and Stick:** Carefully peel off the protective backing from the double-sided adhesive tape on the LED strip. Begin sticking the strip from one corner of the TV, pressing firmly along the path. Follow the marks on the light strip for correct connection points.
4. **Connect USB:** Plug the USB connector of the LED strip into an available USB port on your TV. If your TV does not have a USB port, a standard 5V USB wall adapter (not included) can be used.
5. **Test Lights:** Turn on your TV. The LED lights should illuminate. Use the remote control to test different colors and

modes.

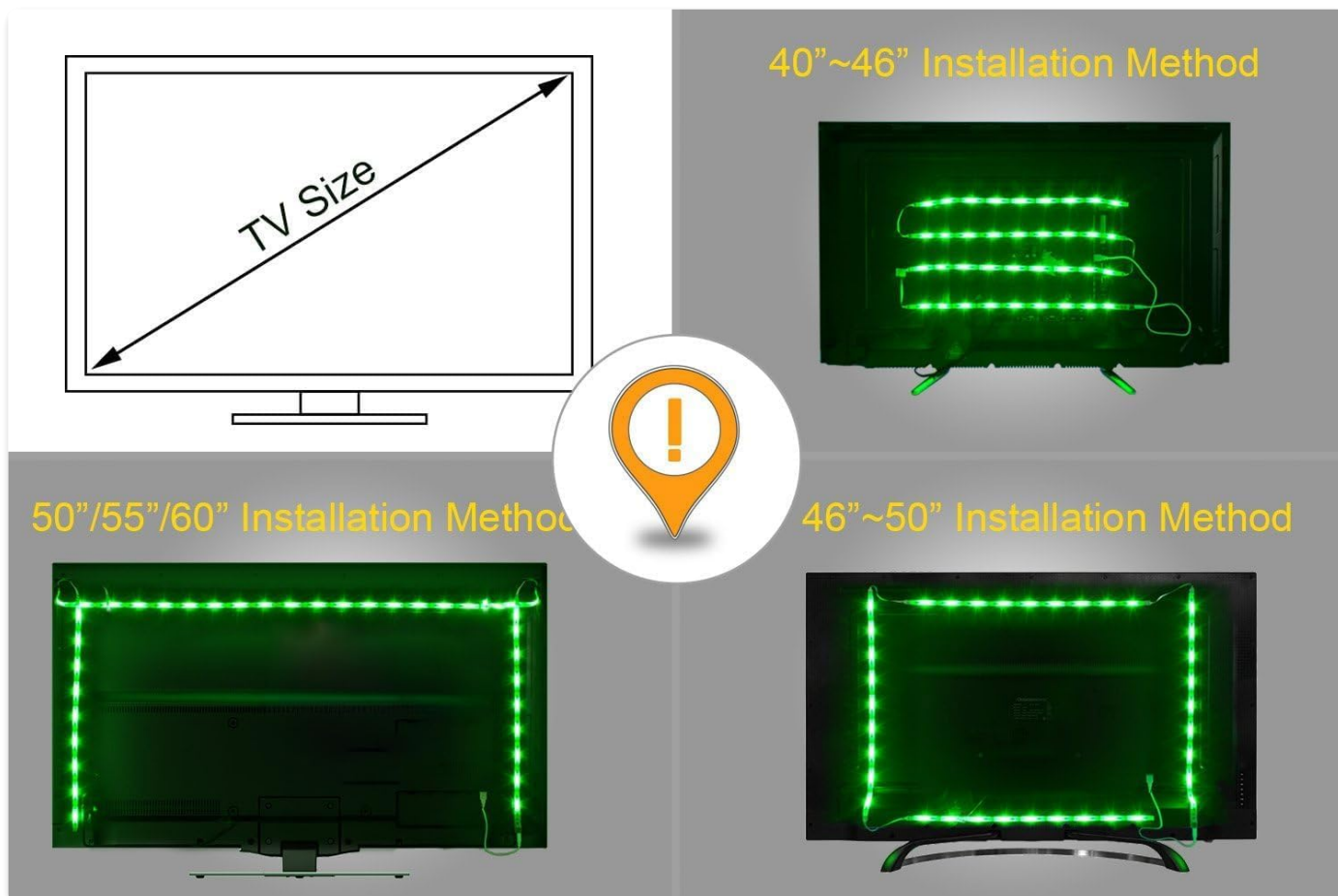


Image: Installation methods for various TV sizes (40-46", 46-50", 50-60").

OPERATING INSTRUCTIONS

Your PANGTON VILLA LED Strip Lights are controlled by the included 24-key IR remote. Ensure the remote is pointed towards the mini controller for optimal response.

Remote Control Functions:

- **On/Off:** Press the **ON** or **OFF** button to power the lights on or off.
- **Brightness Adjustment:** Use the **Brightness Up** and **Brightness Down** buttons to adjust the light intensity.
- **Color Selection:** Choose from 16 static colors by pressing the corresponding color buttons (e.g., Red, Green, Blue, White, etc.).
- **Dynamic Modes:**
 - **FLASH:** Rapidly cycles through colors.
 - **STROBE:** Flashes a single color.
 - **FADE:** Smoothly transitions through colors.
 - **SMOOTH:** Gradual change between RGB colors.

For best performance, ensure there are no obstructions between the remote and the mini controller.

MAINTENANCE

To ensure the longevity and optimal performance of your LED strip lights, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the LED strip with a soft, dry cloth to remove dust. Do not use liquid cleaners or abrasive materials.
- **Adhesive Care:** Avoid frequently repositioning the strip, as this can weaken the adhesive. If re-adhesion is necessary, use strong double-sided tape.
- **Power Source:** Always use a stable DC 5V USB power source. Avoid connecting to higher voltage ports.
- **Storage:** If storing the lights for an extended period, ensure they are clean, dry, and coiled loosely to prevent damage to the strip or wiring.
- **Environment:** This product is designed for indoor use only and is not water resistant. Avoid exposure to moisture or extreme temperatures.

TROUBLESHOOTING

If you encounter any issues with your LED strip lights, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	No power from USB port; loose connection; remote battery dead.	Check USB connection; try a different USB port or 5V adapter; replace remote battery (CR2025).
Remote not working.	Remote battery dead; IR sensor blocked; remote too far.	Replace remote battery; ensure clear line of sight to mini controller; reduce distance to controller.
Lights are dim or flickering.	Insufficient power supply; faulty strip section.	Ensure USB port provides stable 5V; if a section is faulty, contact customer support.
Colors are incorrect.	Incorrect remote setting; faulty LED chip.	Try resetting the remote by pressing the "Fade" button for 5 seconds; if issue persists, contact support.

SPECIFICATIONS

Attribute	Detail
Model Number	EK-40-60
Brand	PANGTON VILLA
Light Source Type	LED (5050 SMD)
Light Color	RGB (16 Colors)
Length	8.2 ft (2.5 meters)
Recommended TV Size	40-60 inches
Power Source	USB (DC 5V)
Wattage	2.5 watts
Brightness	220 lumens
Controller Type	24-Key IR Remote

Attribute	Detail
Control Method	Remote
Indoor/Outdoor Usage	Indoor Only
Water Resistance Level	Not Water Resistant
Item Weight	3.52 ounces
Product Dimensions	6.5 x 4.05 x 0.67 inches (packaging)
Batteries Required	1 Lithium Metal battery (CR2025 for remote, included)
Certifications	CE, GS, UL

Lighting Facts Per Set	
Brightness	220 lumens
Estimated Yearly Energy Cost \$0.31	
Based on 3 hrs/day, 11 ¢ /kWh Cost depends on rates and use	
Life	2 years
Based on 3 hrs/day	
Light Appearance	
RGB	
Energy Used	2.5 watts

Image: Official Lighting Facts for the product.

WARRANTY INFORMATION

PANGTON VILLA products are manufactured to the highest quality standards. This product comes with a standard manufacturer’s warranty covering defects in materials and workmanship from the date of purchase. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, please refer to the product packaging or contact PANGTON VILLA customer support.

CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to make a warranty claim, please contact PANGTON VILLA customer support through the following channels:

- **Online:** Visit the official PANGTON VILLA store on Amazon:[PANGTON VILLA Amazon Store](#)
- **Email:** Refer to your product packaging for specific customer service email addresses.

Our support team is dedicated to providing prompt and helpful assistance.



