GuuYebe BN96-45913A

GuuYebe LED Backlight Strip Instruction Manual

Model: BN96-45913A

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your GuuYebe BN96-45913A LED Backlight Strips. These strips are designed as replacement parts for various Samsung TV models, restoring optimal display brightness and clarity. Please read this manual thoroughly before beginning any installation to ensure proper and safe handling.

Product Overview

The GuuYebe BN96-45913A LED Backlight Strips are high-quality replacement components engineered for durability and performance. Each set includes two LED strips (R+L) with pre-applied double-sided adhesive for convenient installation.

Key Features:

- Full set of 2 LED strips (R+L) included.
- Each strip measures 23.5 inches (597mm) in length.
- Features 40 LED beads per strip, with each LED lamp operating at 6V.
- Equipped with double-sided adhesive paper on the back for secure mounting.
- Designed for long operating life, typically exceeding 100,000 hours.
- High brightness output, up to 700 nits.
- Environmentally friendly design.

Compatible TV Models:

These LED backlight strips are compatible with various Samsung TV models, including but not limited to:

- UN55NU6900F
- UN55NU7100F
- UN55NU7300F
- UE55NU6900
- UN55NU6900
- UE55NU7400
- UN55NU7300

- UE55NU7300
- 55NU7100
- UN55NU6950
- UN55NU7200
- UN55RU7100F

Please verify your TV's model number and existing LED strip part numbers (BN96-45913A, BN61-15485A, E88441, AOT-55-NU7300-NU7100) to ensure compatibility before installation.

Installation Guide

Replacing TV backlight strips requires careful handling and technical knowledge. It is recommended that this procedure be performed by a qualified technician. Always disconnect the TV from the power source before beginning any work.

Required Tools (Not Included):

- Screwdrivers (various sizes)
- Pry tools (plastic spudgers)
- Suction cups (for screen removal)
- Multimeter (for testing LED strips)
- Anti-static wrist strap (recommended)

Step-by-Step Installation:

1. **Preparation:** Lay the TV face down on a soft, clean surface to prevent scratches. Disconnect all cables and remove the TV stand.
2. **Back Cover Removal:** Carefully remove all screws securing the TV's back cover. Use pry tools to gently separate the back cover from the frame.
3. **Internal Component Access:** Disconnect internal cables, such as those for the power supply board, main board, and T-Con board. Remove any brackets or components obstructing access to the display panel.
4. **Panel Removal:** This is the most delicate step. Using suction cups, carefully lift and remove the LCD panel. Place it safely aside on a clean, soft surface.
5. **Diffuser Sheet Removal:** Remove the diffuser sheets and any other layers to expose the existing LED backlight strips.
6. **Old Strip Removal:** Gently peel off the old LED strips. Note their exact positioning.
7. **New Strip Installation:** Remove the blue protective film from the double-sided adhesive on the new GuuYebe LED strips. Align the new strips precisely in the same locations as the old ones and press firmly to secure them.
8. **Reassembly:** Carefully reassemble the TV in reverse order. Ensure all cables are reconnected properly and the LCD panel is seated correctly.
9. **Initial Test:** Before fully securing the back cover, connect the TV to power and perform a quick test to ensure the new backlights illuminate correctly.

Visual Guides:

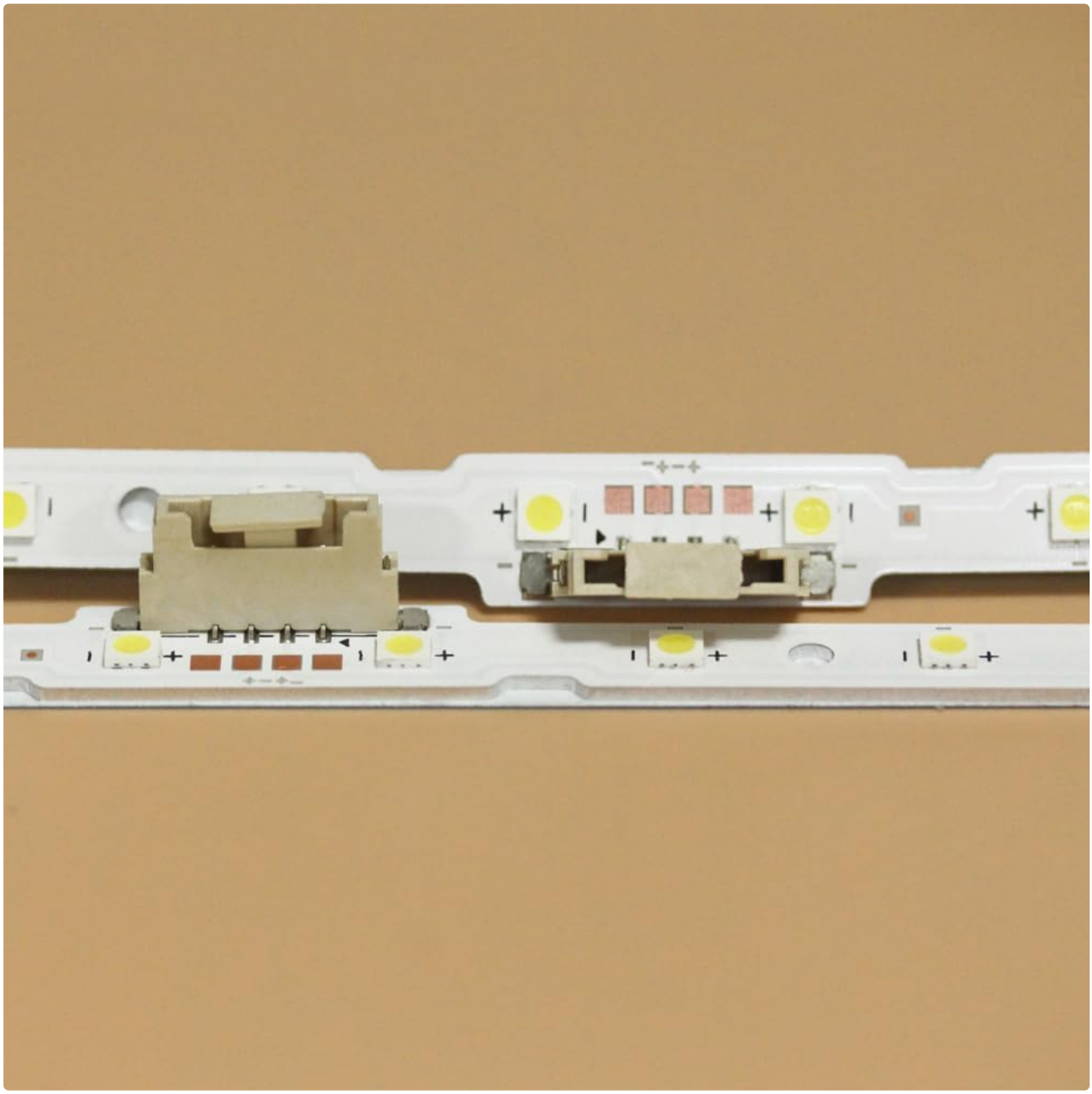


Image: A detailed view of the connector on the LED backlight strip, crucial for proper electrical connection within the TV.

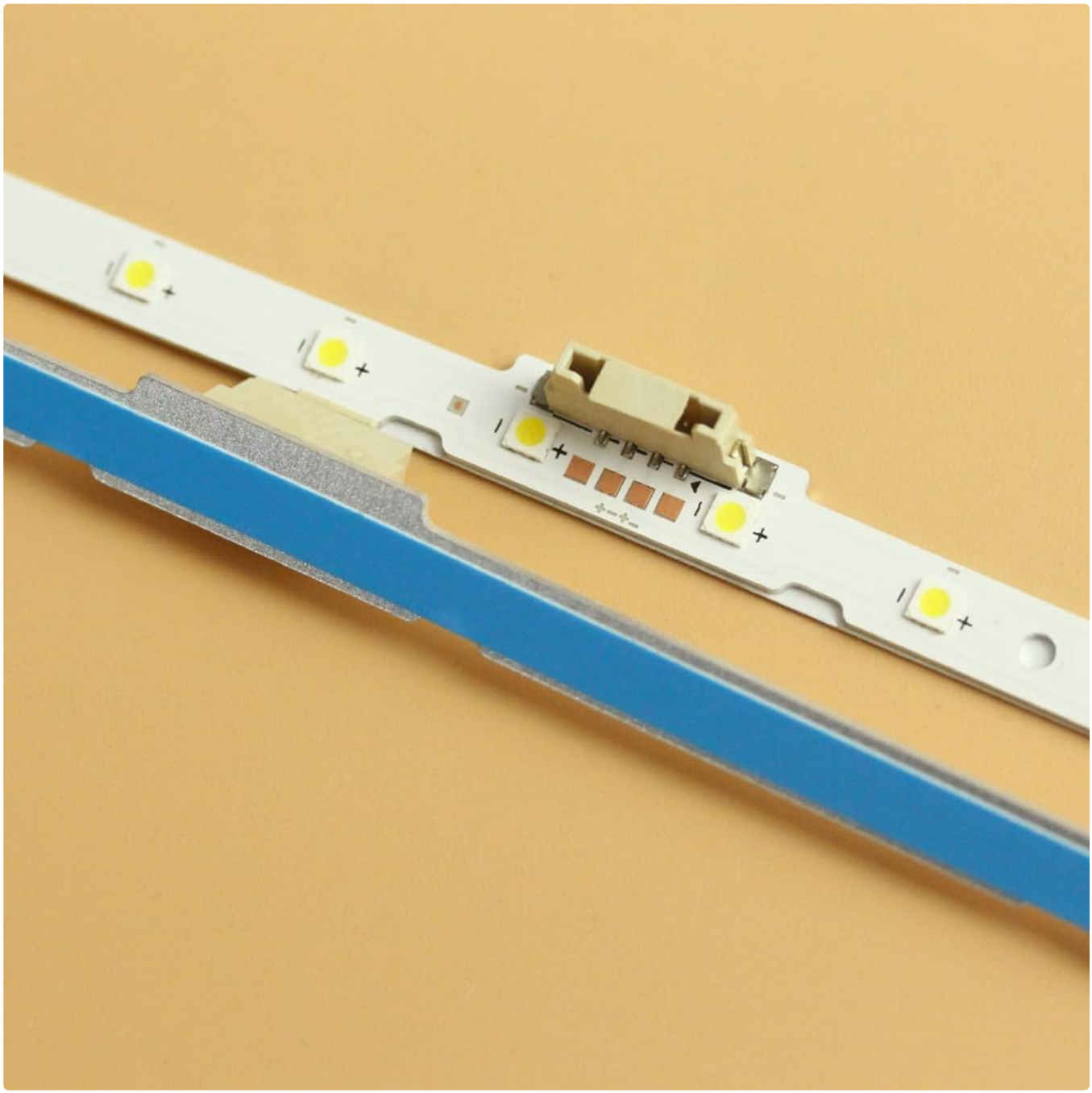


Image: The reverse side of the LED backlight strip, featuring the pre-applied double-sided adhesive with a blue protective film, designed for secure mounting inside the TV panel.

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Video: Overview of the BN96-45913A LED Backlight Strip for TV models, demonstrating its general appearance and features. (Source: GuuYebe)

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Video: Unboxing of the BN96-45913A LED backlight strip, showing how the product is packaged and its initial presentation. (Source: GuuYebe)

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Video: Detailed view of the connector on the LED Backlight Strip for UN55NU7300F, highlighting its design and connection

points. (Source: GuuYebe)

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Video: Demonstration of the LED Strip BN96-45913A during light-up testing, showing the illumination and functionality of the strip. (Source: GuuYebe)

Operating and Testing

Once installed, the LED backlight strips operate automatically with your television. Proper testing ensures successful installation and functionality.

Initial Power-On Test:

1. After reassembling the TV but before fully securing the back cover, connect the power cord.
2. Power on the TV. Observe the screen for uniform illumination. All LED beads should light up evenly.
3. If any sections are dark, flickering, or not lighting up, immediately power off the TV and recheck connections and strip placement.



Image: A pair of GuuYebe BN96-45913A LED backlight strips, showing their full length and the arrangement of individual LED components. These strips are designed for TV display illumination.



Image: A detailed view of the LED beads on the backlight strips, highlighting the individual light-emitting diodes and the printed circuit board details, including part numbers and polarity markings.

Maintenance

LED backlight strips are generally maintenance-free once installed. However, proper care during and after installation can prolong their lifespan.

- **Handling:** Always handle the strips by their edges to avoid damaging the LED beads or circuit traces.
- **Cleaning:** If necessary, gently wipe the strips with a dry, lint-free cloth. Avoid using liquid cleaners or abrasive materials.
- **Environment:** Ensure the TV operates in a well-ventilated area to prevent excessive heat buildup, which can affect LED lifespan.

Troubleshooting

If you encounter issues after installing the LED backlight strips, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No backlight / Dark screen	Incorrect connection, faulty power supply board, or damaged LED strip.	Verify all connections are secure. Test the power supply board. Inspect LED strips for physical damage or unlit beads.
Flickering or intermittent backlight	Loose connection, unstable power, or a failing LED bead/strip.	Check all ribbon cable and power connections. Ensure stable power supply to the TV. Identify and replace any faulty strips.
Partial dark areas on screen	One or more LED strips are not functioning or are damaged.	Carefully re-open the TV and identify the non-illuminating strip(s). Replace the affected strip(s).
Backlight too dim or too bright	TV settings or power supply issue.	Adjust backlight settings in the TV's picture menu. If problem persists, consult a technician for power supply diagnosis.

If troubleshooting steps do not resolve the issue, professional assistance may be required.

Specifications

- **Model Number:** BN96-45913A
- **Brand:** GuuYebe
- **Length:** 23.5 inches (597mm) per strip
- **Number of LED Beads:** 40 per strip
- **LED Lamp Voltage:** 6V per LED
- **Total Strips per Set:** 2 (R+L)
- **Light Source Type:** LED
- **Light Color:** White
- **Brightness:** Up to 700 nits
- **Power Source:** TV internal power
- **Wattage:** 9.6 watts
- **Dimensions (L x W x H):** 0.24 x 23.5 x 0.31 inches (per strip)
- **Item Weight:** 3.2 ounces (total for the set)
- **Country of Origin:** China

Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the retailer's policy where the product was purchased or contact GuuYebe customer service directly through their official channels. Keep your proof of purchase for any warranty claims.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question