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> User Manual for POLAR light LED Display with WiFi+USB, P10 RGB Color Sign 40" x 8"

POLAR light POLAR LED light 40x8 P10 rgb FBA

POLAR light LED Display User Manual

Model: POLAR LED light 40x8 P10 rgb FBA

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your POLAR light LED Display. This 40" x 8" P10 RGB full-color sign features high resolution and new SMD technology, offering a versatile solution for advertising and messaging in both outdoor and indoor environments. It supports programming via WiFi and USB connections, compatible with Windows computers and mobile devices.



Figure 1: POLAR light LED Display with WiFi+USB capabilities.

The sign is designed for energy efficiency and durability, featuring a robust aluminum case and IP45 weather resistance, making it suitable for various applications from retail stores to events.

2. SETUP

2.1. Package Contents

Before beginning installation, please verify that all components are present in the package:

- POLAR light LED Display (40" x 8")
- UL listed 5V Power Supply with USA plug (integrated inside housing)
- USB Flash Drive with software
- Printed Instruction Manual
- Mounting accessories (e.g., hanging points)
- Optional: Open/Close door sign (gift)



Figure 2: Included accessories and components.

2.2. Mounting the Sign

The LED sign is equipped with mounting points for hanging. Choose a suitable location that provides clear visibility and access to a power outlet. Ensure the mounting surface can support the weight of the sign (approximately 5.3 pounds).

1. Identify the mounting points on the top edge of the sign.
2. Securely attach appropriate hanging hardware (not always included, depending on installation method) to your

desired location.

3. Carefully hang the LED sign, ensuring it is level and stable.

2.3. Power Connection

The power supply is integrated within the sign's housing. Simply plug the provided USA plug into a standard 85-240V (USA 110V supported) electrical outlet. The sign features an ON/OFF switch for convenient power control.

3. OPERATION

3.1. Software Installation

The POLAR light LED Display can be programmed using dedicated software for Windows computers or a mobile application for Android and iPhone devices.

For Windows Computers:

Insert the included USB flash drive into your Windows computer. Locate and run the installation file for the programming software. Follow the on-screen prompts to complete the installation. *Note: This software is not compatible with Apple iMac or MacBook operating systems.*

For Mobile Phones (Android & iPhone):

Download the official POLAR light LED sign application from your device's respective app store (Google Play Store for Android, Apple App Store for iPhone). Install the application on your smartphone.



Figure 3: Software interfaces for Windows (left) and mobile (right) programming.

3.2. Connecting to the Sign

The sign supports both WiFi and USB for content transfer.

WiFi Connection:

Ensure your LED sign is powered on. On your computer or mobile device, connect to the sign's dedicated WiFi network (SSID will typically be the sign's model or a unique identifier). Once connected, open the programming software/app and follow the instructions to establish communication with the sign.

USB Flash Drive Transfer:

Using the Windows software, create your desired message or program. Save the program file to a USB flash drive. Insert the USB flash drive into the USB port on the LED sign. The sign will automatically detect and load the content. Remove the USB drive once the transfer is complete.

WiFi or USB flash drive transfer to LED sign



Figure 4: Connection methods: WiFi for computers/phones and USB for direct transfer.

3.3. Programming Messages and Effects

The software allows for extensive customization of your display content:

- **Text Input:** Enter your desired messages. The software supports English, Spanish, French, Portuguese, Arabic, Russian, and Chinese.
- **Font and Color:** Select various fonts, sizes, and full RGB colors for your text.
- **Scrolling Effects:** Choose from multiple scrolling directions and speeds.
- **Backgrounds and Animations:** Utilize different eye-catching backgrounds and dynamic effects to enhance your message.
- **Time and Date:** Display current time and date.
- **Image/Logo Integration:** Upload and display images or logos.

After creating your program, send it to the sign via WiFi or USB. The sign will store the last programmed message and display it automatically upon power-on, even without a connected device.

Clear and bright LED sign



NEW SMD light source with less heat and low power consumption



UL certified power supply



Figure 5: Example of clear, bright, and full-color LED display capabilities.

4. MAINTENANCE

The POLAR light LED Display is designed for durability and minimal maintenance. Its IP45 rating ensures resistance to rain and sunshine, making it suitable for outdoor use.

- **Cleaning:** To clean the display surface, gently wipe it with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the LED surface.
- **Environmental Conditions:** While the sign is weather-resistant, extreme conditions (e.g., prolonged submersion, direct high-pressure water jets) should be avoided to ensure longevity.
- **Power Supply:** Ensure the power supply unit is kept in a well-ventilated area and not covered, to prevent overheating.

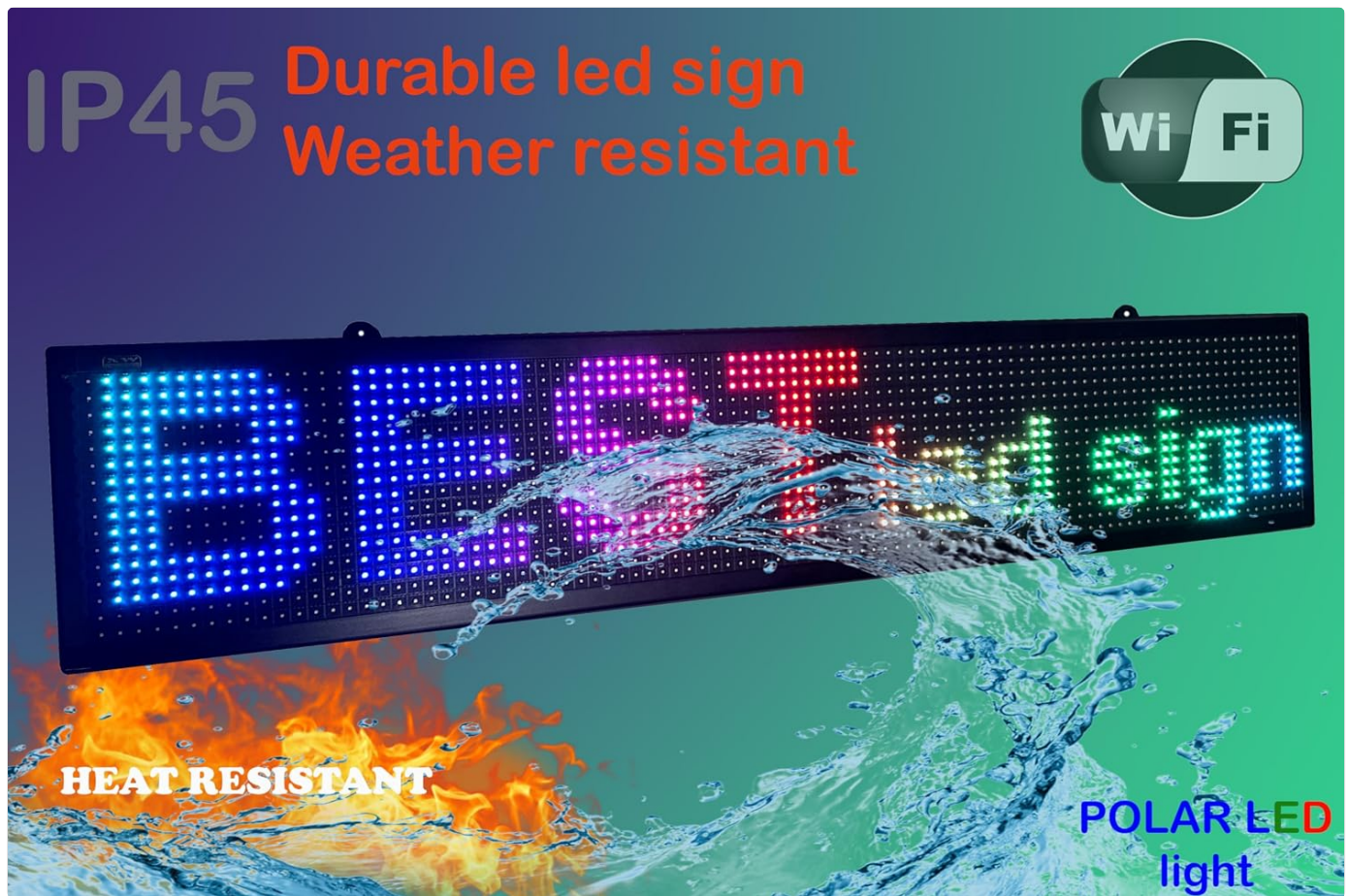


Figure 6: The LED sign is IP45 weather and heat resistant.

5. TROUBLESHOOTING

If you encounter issues with your LED display, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Sign does not power on.	No power, faulty outlet, switch off.	Check power cable connection. Ensure outlet is functional. Verify ON/OFF switch is in the 'ON' position.
Cannot connect via WiFi.	Incorrect WiFi network, signal interference, software issue.	Ensure you are connected to the sign's specific WiFi network. Move closer to the sign. Restart the sign and your device. Reinstall software if necessary.
USB transfer fails.	Incorrect file format, faulty USB drive, USB port issue.	Ensure the program file is correctly saved to the USB drive. Try a different USB drive. Ensure the USB drive is formatted correctly (e.g., FAT32).
Display shows garbled text or incorrect colors.	Software programming error, data corruption.	Re-program the message from scratch. Ensure correct settings (e.g., resolution, color mode) are selected in the software. Restart the sign.
Software not installing/running on Windows.	Compatibility issue, corrupted installer.	Ensure your Windows OS is supported. Try running the installer as administrator. Download the latest software from the manufacturer's website if available.

If the problem persists after attempting these solutions, please contact customer support for further assistance.

6. SPECIFICATIONS

Feature	Detail
Brand	POLAR light
Model Number	POLAR LED light 40x8 P10 rgb FBA
Product Dimensions	40"L x 8"W x 0.39"D (101.6 cm x 20.32 cm x 1 cm)
Item Weight	5.3 pounds (2.4 kg)
Color	Black (housing)
Material Type	Aluminum, Plastic
Light Type	LED (SMD Technology)
Display Type	P10 RGB Full Color
Connectivity	WiFi, USB
Software Compatibility	MS Windows (desktop), Android (mobile), iPhone (mobile)
Power Supply	5V, FCC and UL listed, 85-240V (USA 110V supported)
Weather Resistance	IP45 (Rain and Sunshine Heat Resistant)
Mounting Type	Wall Mount / Hanging
Supported Languages	English, Spanish, French, Portuguese, Arabic, Russian, Chinese

7. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your POLAR light LED Display, please refer to the contact details provided in your product packaging or visit the official POLAR light website. Ensure you have your model number (POLAR LED light 40x8 P10 rgb FBA) and purchase details ready when contacting support.

The manufacturer is committed to providing assistance for product-related issues and ensuring customer satisfaction.

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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