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## Leadleds P4 LED Display Board

# Leadleds P4 Full Color LED Display Board Instruction Manual

Model: P4 LED Display Board

## 1. INTRODUCTION

Thank you for purchasing the Leadleds P4 Full Color LED Display Board. This manual provides essential information for the safe and effective use of your new LED display. Please read it thoroughly before operation and retain it for future reference.

This versatile LED display board features a 128x32 dot matrix with a 4mm pixel pitch, capable of displaying vibrant RGB full-color messages. It is designed for both indoor and vehicle use, offering various display functions controlled via a smartphone application.

## 2. SAFETY INFORMATION

- Power Source:** Use only the provided 12V/2A car charger or a compatible 5V/3A power adapter. Do not use USB mobile batteries as they may provide insufficient power, leading to display malfunctions.
- Installation:** Ensure the display is securely mounted using the suction cups on a clean, smooth surface. For vehicle use, attach it to the inside of the rear, front, or side windows.
- Content Input:** This product does not support image or video transmission. Inputting such content may cause the control card to malfunction. Only input text, logos, countdowns, or timers.
- Operating Environment:** Avoid exposing the device to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Cleaning:** Use a soft, dry cloth for cleaning. Do not use liquid cleaners or aerosols.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Leadleds P4 Full Color LED Display Board
- 12V / 2A Car Cigarette Lighter Adapter
- 3M USB Cable
- 2x Lever-type Suction Cups
- Instruction Manual (Japanese, English translation provided here)

# パックの内容



日本語取扱説明書が付属

(製品にはAC電源アダプターは付属していません)

Figure 3.1: The package includes the LED display board, two suction cups, a car charger, and a USB cable.

## 4. SPECIFICATIONS

Feature	Specification
Brand	Leadleds
Model	P4 LED Display Board
Dimensions (L x W x D)	51.6 cm x 13 cm x 2.7 cm
Dot Count	128 x 32 dots
Pixel Pitch	4 mm
Display Color	RGB Full Color (7 colors)
Connection Method	Wi-Fi (for app control, not internet)
Power Input	12V / 2A (Car Charger), 5V / 3A (USB Adapter)

Feature	Specification
Mounting Type	Window Mount (Suction Cups)
Light Type	LED
Orientation	Horizontal
Lifespan	Approximately 100,000 hours (~10 years)
Energy Efficiency	Up to 30% energy saving
UPC	824382326769

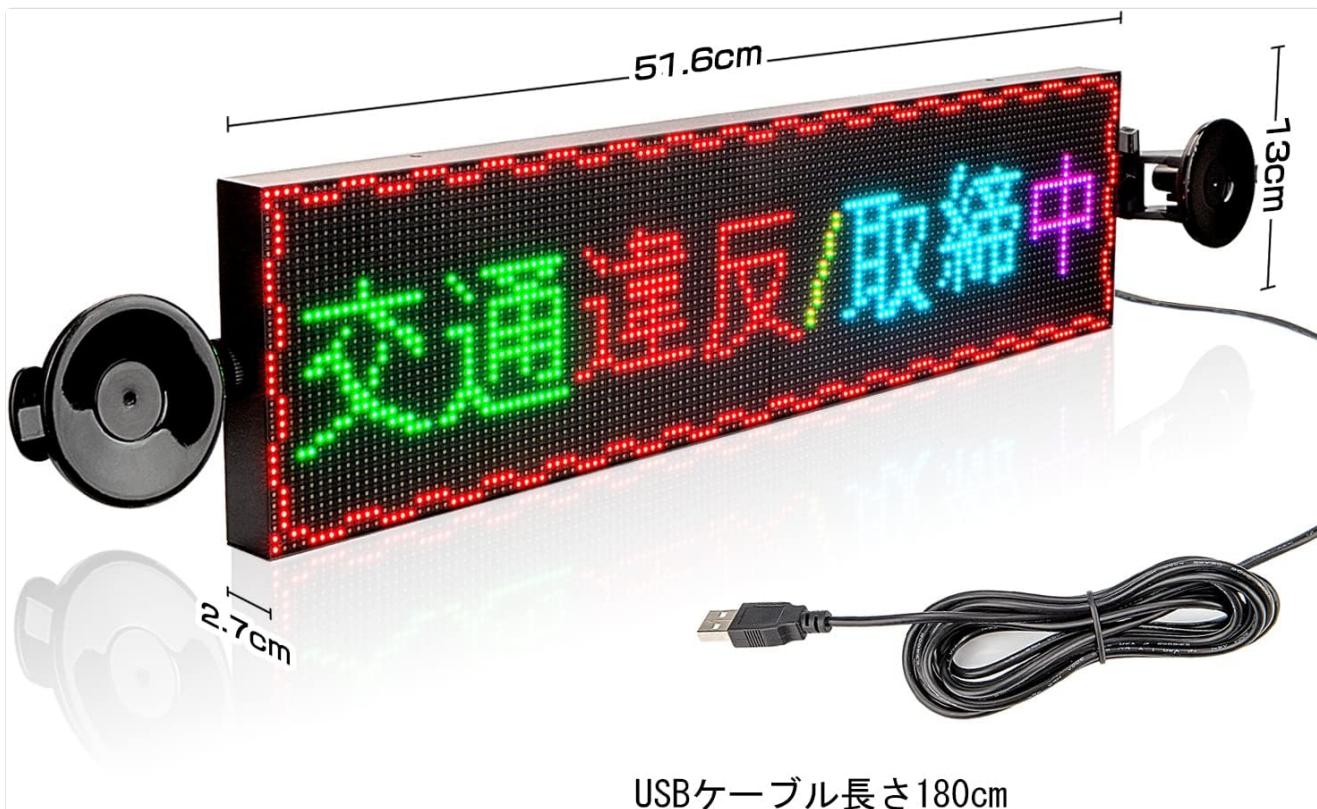


Figure 4.1: Product dimensions and cable length.



Figure 4.2: Detailed product specifications.

## 5. SETUP

## 5.1 App Installation

1. Download the "LedArt" application from your smartphone's app store (available for iOS and Android).

## 5.2 Physical Installation

1. Ensure the surface where you intend to mount the display is clean, smooth, and dry.
2. Remove the protective film from the suction cups.
3. Attach the two lever-type suction cups to the back of the LED display board.
4. Press the suction cups firmly against the desired surface (e.g., car window) and engage the levers to secure the display.



Figure 5.1: Easy installation on a car window.

## 5.3 Power Connection

1. Connect the 3M USB cable to the LED display board.
2. For vehicle use, plug the other end of the USB cable into the provided 12V/2A car cigarette lighter adapter, then insert the adapter into your car's cigarette lighter socket.
3. For indoor use, connect the USB cable to a compatible 5V/3A USB power adapter (not included) and plug it into a wall outlet.
4. Once powered on, the display will activate, and its internal Wi-Fi signal will become discoverable.

## 6. OPERATING INSTRUCTIONS

### 6.1 Connecting to the Display via Wi-Fi

1. Ensure the LED display board is powered on.
2. On your smartphone, go to Wi-Fi settings.
3. Search for a Wi-Fi network with a name similar to "WF2\_XXXXXX" (e.g., "WF2\_4831b7d59a34"). This is the display's direct Wi-Fi signal, not an internet connection.
4. Connect to this Wi-Fi network.



Figure 6.1: Smartphone app control via Wi-Fi.

### 6.2 Using the LedArt App

1. Open the "LedArt" app on your smartphone.
2. Navigate to the "Device List" and select your connected display.
3. To create a new message, tap the "+" icon in the upper right corner, then select "Add" and "New Program".

4. **Set Display Parameters:** Ensure the correct display parameters are set for optimal performance.

- **Width:** 128
- **Height:** 32
- **Color Level:** Full Color

5. **Input Content:** You can input text in various languages, set logos, countdowns, and timers.

6. **Customize Display:** Adjust scroll speed, text size, and color. The app also supports partition display.

7. **Send to Display:** Once your message is created and customized, send it to the LED display board via the app.



Figure 6.2: Examples of diverse display functions and multi-language support.



Figure 6.3: Various message examples for different uses.

## 7. MAINTENANCE

- **Cleaning:** Regularly wipe the display surface with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Suction Cups:** Periodically check the suction cups for secure attachment. If they lose suction, clean both the suction cup and the mounting surface thoroughly before reattaching.
- **Cable Inspection:** Inspect the USB cable and power adapter for any signs of damage (fraying, cuts, bent pins). Replace damaged components immediately to prevent electrical hazards.
- **Storage:** When not in use for extended periods, store the display board in a cool, dry place away from direct sunlight and extreme temperatures.

## 8. TROUBLESHOOTING

**Q: The display is abnormal or distorted.**

**A:** This often occurs if the display size parameters are incorrect in the LedArt app. Go to "Device List" > "+" > "Add" > "New Program" and set the parameters to: Width "128", Height "32", Color Level "Full Color". Also, verify the product screen scan parameter is set to (C 5) under "Hardware Device" > "Scan Settings" > "Manual Confirmation".

**Q: Message transmission is interrupted or fails.**

**A:** Ensure you are not attempting to transmit images or videos, as the product does not support them. Also, confirm that the power supply is adequate. If using a non-original plug, ensure it provides 5V/3A. Insufficient voltage can lead to Wi-Fi connection issues and transmission interruptions.

**Q: Cannot find the Wi-Fi signal after powering on.**

**A:** This could be due to an incompatible message being sent previously, or a need to reset to factory settings. Please contact Leadleds customer support via Amazon's "Contact Seller" option for instructions on how to perform a factory reset.

**Q: Can I power the display with a USB mobile battery?**

**A:** No. USB mobile batteries typically have a low output voltage which can prevent proper content transmission. Please use the provided car charger or a suitable 5V/3A power adapter.

## 9. WARRANTY AND SUPPORT

The Leadleds P4 Full Color LED Display Board comes with a **one-year warranty** from the date of purchase. If you encounter any issues or have questions regarding the use, setup, or functionality of your LED display board, please do not hesitate to contact us. Our customer support team is available to assist you.

**How to Contact Support:**

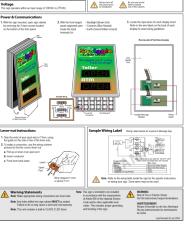
- Through your Amazon order details, select the "Contact Seller" option for Leadleds JP.

Please provide your order number and a detailed description of the issue to help us assist you more efficiently.

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## Related Documents - P4 LED Display Board

	<p><a href="#">Steren PIZ-100 Fluorescent LED Board User Manual and Instructions</a></p> <p>Comprehensive user manual for the Steren PIZ-100 Fluorescent LED Board. Learn about its features, setup, operation, remote control functions, troubleshooting, and warranty information.</p>
	<p><a href="#">How to Connect and Install Your HINEON Indoor Open Neon Sign</a></p> <p>Comprehensive user manual and installation guide for HINEON's Indoor Open Neon Sign. Learn how to safely connect and hang your LED neon sign with step-by-step instructions.</p>

 <p><b>Owner's Manual</b> RSB-1612 SCROLLING... Royal Sovereign International, Inc. 2015-01</p>	<p><a href="#">Royal Sovereign RSB-1612 LED Scrolling Sign Owner's Manual</a></p> <p>Comprehensive owner's manual for the Royal Sovereign RSB-1612 LED scrolling message sign, covering setup for iOS and Android devices, password reset, and technical specifications.</p>
 <p><b>InstAlert 24 VARIABLE MESSAGE SIGN</b> ALL TRAFFIC SOLUTIONS</p>	<p><a href="#">InstAlert 24 Variable Message Sign &amp; ATS 5 Trailer: Product Specifications and TraffiCloud Management</a></p> <p>Detailed specifications, features, operation modes, programming, and management options for the All Traffic Solutions InstAlert 24 Variable Message Sign and ATS 5 Trailer, including information on the TraffiCloud remote management platform and Premier Care Plan.</p>
 <p><b>LPSI SERIES</b> Outdoor LED Backlit Monument Sign</p>	<p><a href="#">LPSI SERIES Outdoor LED Monument Sign Installation Instructions</a></p> <p>Step-by-step installation guide for the LPSI SERIES Outdoor LED Backlit Monument Sign, covering voltage, power, wiring, lever-nut connections, and safety warnings.</p>
 <p><b>Onboarding Guide</b> BenQ Boards from education to inspiration</p>	<p><a href="#">BenQ Boards Onboarding Guide: Installation to Inspiration</a></p> <p>A comprehensive guide for educators and IT administrators on setting up and utilizing BenQ Boards, covering installation, account management, whiteboarding with EZWrite 6, wireless screen sharing with InstaShare 2, communication tools like X-Sign Broadcast and X-Sign, and professional development through BenQ Academy.</p>