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> KJOY Flexible LED Display (Model AM0028-2, 23.6"x4.7") Instruction Manual

KJOY AM0028-2

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INTRODUCTION

This KJOY Flexible LED Display is designed for vehicle windows, offering customizable messages, animations, and patterns. It features upgraded RGB LED beads for vibrant display and is controlled via a mobile application. The display is eye-catching, customizable, waterproof, durable, and easy to install, making it suitable for various applications beyond just vehicles.

1. SETUP AND INSTALLATION

1.1 Package Contents

- KJOY Flexible LED Display (23.6"x4.7")
- 3M Adhesive Tape
- USB Power Cable (17.3 ft)
- Car Charger Adapter

1.2 App Download

To control your LED display, download the official "CoolLED1248" application. Scan the QR code below that corresponds to your mobile device's operating system (iOS or Android).



Figure 1. App interface for programmable patterns and animations.

1.3 Device Connection

1. Ensure Bluetooth is enabled on your smartphone.
2. Open the "CoolLED1248" app. The app will automatically search for available devices.
3. Select your LED display from the device list to establish a Bluetooth connection.



Figure 2. Bluetooth app control and waterproof design.

1.4 Physical Installation

1. Clean the desired installation surface (e.g., vehicle window) thoroughly to ensure proper adhesion.
2. Apply the provided 3M adhesive tape to the back of the LED display.
3. Carefully position and press the LED display onto the cleaned surface.
4. Connect the USB power cable to the display and plug it into a USB port or the car charger adapter.



Figure 3. Easy installation using 3M tape on glass.

2. OPERATION

2.1 Basic Functions

The KJOY LED Display is controlled entirely through the "CoolLED1248" mobile app. Once connected, you can:

- **Create Custom Text:** Type messages to be displayed on the screen.
- **Use Emojis and Graffiti:** Select from a library of emojis or draw custom graffiti patterns.
- **Design Animations:** Create dynamic animations or choose from pre-set options.
- **Adjust Display Settings:** Control brightness, speed, and direction of scrolling text.



Figure 4. Synchronizing text, emoticons, and graffiti via the app.

2.2 Display Modes

The app offers various display modes, including static text, scrolling messages, animated patterns, and custom designs. You can switch between these modes easily within the application interface.



Figure 5. Multitasking and rotation LED sign capabilities.

2.3 Multi-Device Synchronization

If you have multiple KJOY LED displays, the app allows you to connect and synchronize them. This feature enables displaying coordinated patterns or messages across several units, such as creating a larger 'evil eye' effect with two signs.



Figure 6. Connecting two screen lights simultaneously for display.

3. MAINTENANCE

3.1 Durability and Waterproofing

The KJOY LED Display is engineered with drip-proof waterproof technology, ensuring reliable performance in various weather conditions. It also features high temperature resistance, maintaining functionality even under extended exposure to heat and sunlight.



Figure 7. High temperature resistance and energy efficiency.

3.2 Cleaning

To clean the LED display, gently wipe the surface with a soft, damp cloth. Avoid using abrasive cleaners or harsh chemicals, as these may damage the display or its protective coating.

4. TROUBLESHOOTING

4.1 Connectivity Issues

- **No Connection:** Ensure Bluetooth is active on your smartphone and the LED display is powered on. Restart the app and try reconnecting.
- **App Permissions:** Verify that the "CoolLED1248" app has been granted necessary Bluetooth permissions in your phone's settings.

4.2 Display Not Working

- **No Power:** Check that the USB cable is securely connected to both the display and the power source (USB port or car charger).
- **Display Malfunction:** If the display remains blank or shows incorrect patterns after verifying power and connection, try resetting the device by unplugging and re-plugging the power cable.

4.3 Adhesive Not Holding

- **Surface Preparation:** Ensure the installation surface was thoroughly cleaned and dry before applying the adhesive tape. Residue or moisture can reduce adhesion.
- **Extreme Conditions:** For long-term outdoor use or in areas with extreme temperature fluctuations, consider using additional automotive-grade adhesive or mounting solutions for enhanced security.

4.4 App Functionality Limitations

- **Rapid Content Change:** The app may not support rapid switching between a large number of custom images or complex animation sequences. Manual selection within the app might be required.
- **Advanced Editing:** Features like cut-and-paste for animation frames may not be available. Users are encouraged to explore the app's current capabilities for design.

4.5 Auto-On Behavior

The device is designed to automatically turn on and display the last programmed pattern when power is supplied. If you need to turn off the display, use the inline physical switch on the power cable.

5. SPECIFICATIONS

Feature	Detail
Brand	KJOY
Model Number	AM0028-2
Size	23.6" x 4.7"
Material	Plastic
Item Weight	0.45 Kilograms
Product Dimensions	23"L x 5"W
Power Source	USB or Car Charger
Connectivity	Bluetooth (via mobile app)

6. WARRANTY AND SUPPORT

6.1 Warranty Information

Specific warranty details for the KJOY Flexible LED Display are not provided in this manual. Please refer to the product packaging or contact KJOY customer service for comprehensive warranty information.

6.2 Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, please contact KJOY customer support through their official website or the contact information provided on the product packaging.