# User Manual

# **Product Introduction**

Thank you for choosing our product! Please read this manual carefully before use to ensure correct and safe operation. We are committed to providing you with excellent products and services. Thank you for your trust and support! This product is an LED flexible display screen, controlled via a mobile app. Users can create personalized animations, customize graffiti works, and display dynamic text effects through the app. Additionally, the app includes a vast library of materials to unleash your creativity.

APP Compatibility Description Android System: Minimum support for Android 7.0, compatible with 97.4% of Android devices on the market; iOS System: Requires iOS 12 or later, covering approximately 95% of iOS users.

Download 1.App Store: iOS Users: Go to the App Store and search for "Popusign" to download and install; Android Users: Search for "Popusign" on Google Play to download. 2.QR Code Download: Scan the QR code below to jump to the corresponding page.







### Product Accessories



Display Screen

### Power Accessories: (Pick 1 of 3)

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Power Adapter Device Power Supply Always use the included power accessories provide with the product first. 2.For self-powered setups, ensure compatibility with a

C-5.5 self-locking connector and a power output of 5V/6A.interface, voltage 5V 6A.



**5m USB Power Cable Device Power Supply** lways prioritize using the included power accessorie ovided with the product. 2. The power supply must be compatible with a USB-C interface; power output: 5V/3A. 3.Do not use all-protocol power supplies

evice Connection

1. Before connecting the device, please correctly wire and power on the device according to the connection diagram, and keep the device powered on to ensure successful connection and use.

rization:(1).Please allow the APP to obtain necessary permissions to ensure normal operation of the APP functions. (2). The mobile phone Bluetooth function needs to be enabled, and Bluetooth usage permissions need to be authorized in the APP.



### stailed Explanation of Screen utton Functions

1.Factory reset function: When the power is off, press hold the button on the screen, then turn on the power. Release the button when the screen displays "Reset..." until the screen completes the factory default state. When the screen displays the Bluetooth name, the tory reset is successful.

te: This operation will clear all custom settings and

2.Program switching function: When the screen is playing a program, click the button to switch to the next program, and double-click the button to switch to th previous program.

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# 3m USB Power Cable + Charger Device Power

1:Always use the included power accessories provided with product first. 2.For self-powered setups, ensure compatibility with a USB-C interface; power output: 5V/3A.

# APP Interface Description

lote: Screenshots may differ from current version. Refer to live app for latest UI.)

### 1. Bluetooth

### (1) First-time device connection:

Dpen the APP and enter the homepage. The " 🖉 " in the upper left corner indicates that the device is not connected. Click the " button to enter the device search page, click the "Discover Device" button to search for the device Bluetooth, After finding your device Bluetooth, click the "Connect" button. After successful connection, enter the homepage. The appearance of "👩 " in the upper left corner indicates successful device connection.

### (2) Troubleshooting if no device is found:

Step 1: Click the ", ") " icon in the upper right corner to refresh the list.

Step 2: If there are still no devices, please check:

e device Bluetooth is enabled and in discoverable mode.

mobile phone Bluetooth permissions have been authorized to the APP (confirm in system settings).

levice and mobile phone are within 15 meters, with no strong signal interference. Step 3: Restart the device and mobile phone Bluetooth function and try again.

### (3) Actively disconnect the current connection:

On the APP homepage, click the " 🔝 " icon in the upper left corner and select "Disconnect." (4) Connect a new device:

1.Follow the steps in "(3) Actively disconnect the current connection" to disconnect the current device. 2.Follow the steps in "(1) First-time device connection."





# 2.Program synchronization

When the programs on the App and device are different, after the App connects to the device, it will automatically enter the program synchronization page. The program synchronization function will automatically download programs from the App to the device or pload programs from the device to the App, ensuring the programs in the App and on the device remain the same. During program synchronization, you can long press any program to delete that program. After all upload or download progress bars reach 100%, click the "Complete" button to exit the program synchronization page. If program download or upload fails, you can click the " 🣿 " button to retry upload/download, or click the " 🔐 " button to delete that program. The interface may appear slightly different depending on screen size.

Tip: Do not forcibly exit the program synchronization page before synchronization is complete. Forcibly exiting the program synchronization page will cause the programs in the App and the device to differ, resulting in different programs being previewed on the App homepage and played on the device. After exiting and reopening the App, the App will re-enter the synchronization page for program synchronization. Alternatively, use My---Screen Settings---Screen Clear function to clear all programs in the App and the device, and then re-add programs.





### 3. Homepage

After the App connects to screens of different sizes, the program preview window and program groups may vary slightly. Please refer to the actual interface.







### 4. New program

Click the " 🔚 " button; a pop-up window will appear to select the group to play. Up to 5 (or 4) program groups can be opened, then click the "Confirm" button; click "+" to create a new picture/animation, colorful text or material library program. Click "+-" next to the loop count to set the program loop count, with a range of 1---99. Each program group can add up to 12 programs, and 5 program groups can add up to 60 programs.Double-click the program in the program box to delete it, change its content, edit it, or modify the number of plays. Press and hold the program in the program box to adjust its settings, and drag the program freely to change its order.



# 5. Picture/Animation

Create a new picture/animation program. Users can create their own creative animations, import multiple pictures from the mobile whone album (up to 50), set the appropriate animation speed, and send them to the device. You can also enter the graffiti page, save our graffiti works to the mobile phone album, and then import the album pictures to create animation or picture programs. p: It is recommended to import pictures with the same resolution as the device. If pictures with different resolutions are imported ind sent to the device, the actual display effect will not be ideal.





# 6. Colorful Text

Clockwise Counter-clockwise Blink

Cancel Confirm

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You can choose from 20

freely control the display

exquisite font borders, flexibly

adjust the display effect, and

Create a new colorful text program. Users can enter any text, adjust font size, direction, display mode, color, set text dwell time and scrolling speed, and add various text border effects.

# 7.Material Library

Create a new material library program, and it will jump to the material library page. Users can click the labels at the top of the page to select their favorite material programs and send them to the device.





### 8.Creative Graffiti

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upports custom brush colors, can undo/redo the previous step, and set horizontal and vertical mirroring.Graffiti can be saved to the album or added from the album. The canvas can be dragged and zoomed, equipped with an eraser and one-click clear screen function.





Provides a one-click function to clear all programs, which is convenient and efficient.

Bluetooth	n Passwor
Passwor	d:1-6digits
Cancel	Confirm

Bluetooth PIN protection: Supports 1-6 digit numeric codes for secure connections.

# 10.Mine

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9.Discover

The My page allows you to view the privacy policy, obtain the latest product information and usage permissions, and supports screen display settings, language switching function and online detection of APP version update services.For issues encountered while using the APP, check the problems in "Help" and follow the instructions to solve them.

Material Brazy Discover

# 11.Screen Settings

The Discover page contains graffiti and colorful text. Click graffiti to create a graffiti program, and click colorful text to create a colorful text program. For details, refer to the graffiti page and colorful text page.

The screen settings page displays device information and allows configuration of screen orientation, scheduled power-off, Bluetooth password, firmware upgrades, and program clearing. The device information includes model number, resolution, device ID, and firmware version.

Screen Rotation

Cancel

180° rotation.

Screen rotation options: 0°,

horizontal flip, vertical flip,

Scheduled Shutdown

Added timer shutdown

setting, making it easy for

users to customize device

shutdown time.



# 12. Language Settings

5 languages to choose from: Simplified Chinese, Traditional Chinese, English, German, French, Russian, Thai, Italian, Portuguese, Spanish, Vietnamese, Korean, Japanese, Arabic, Hindi.





### Precautions Please store the flexible screen by rolling it as shown in the example diagram.





The LED bead surface of the screen cannot be bent outward.



Normal placement



Do not scratch with sharp objects.



Do not place heavy objects on it.



Do not scratch with sharp objects.







### 💧 💧 Warning

To assure continued compliance, any changes or modifications not expressly approved by the party.Responsible for compliance could void the user's authority to operate this equipment.

FCC Statement

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: -Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. -Consult the dealer or an experienced radio/TV technician for help.

### FCC Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body