

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.

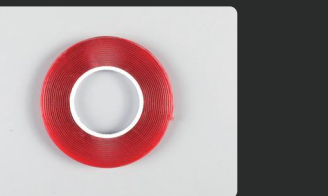
App Store

Google Play

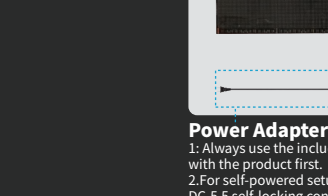
Download for Android



Product Accessories



Display Screen

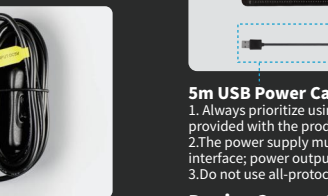


Tape

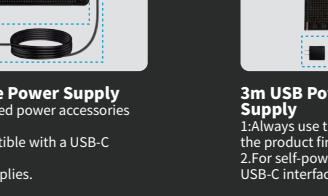
Power Accessories: (Pick 1 of 3)



Power Adapter: Voltage 5V, Current 6A, Power 30W.



Power Specifications: Voltage 5V, Current 3A, Power 15W. Cable configuration: 5-meter USB power cable.



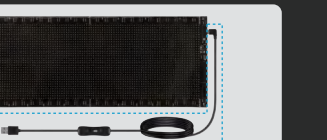
Power Specifications: Voltage 5V, Current 3A, Power 15W. Cable configuration: 3-meter USB power cable + charger.

Detailed Explanation of Screen Button Functions

1.Factory reset function: When the power is off, press and 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 factory reset is successful.

Note: This operation will clear all custom settings and stored programs.

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 the previous program.



3m USB Power Cable + Charger Device Power Supply

1: Always use the included power accessories provided 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.

Device 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.
2. Permission authorization: (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.

APP Interface Description

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

1. Bluetooth

(1) First-time device connection:

Open the APP and enter the homepage. The "Bluetooth" icon in the upper left corner indicates that the device is not connected. Click the "Bluetooth" 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 "Connected" in the upper left corner indicates successful device connection.

(2) Troubleshooting if no device is found:

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

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

1. The device Bluetooth is enabled and in discoverable mode.
2. The mobile phone Bluetooth permissions have been authorized to the APP (confirm in system settings).
3. The device and mobile phone are within 15 meters, with no strong signal interference.

(3) Actively disconnect the current connection:

On the APP homepage, click the "Disconnect" 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 upload 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 "Retry" button to retry upload/download, or click the "Delete" 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.



5m USB Power Cable Device Power Supply

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3: Do not use all-protocol power supplies.

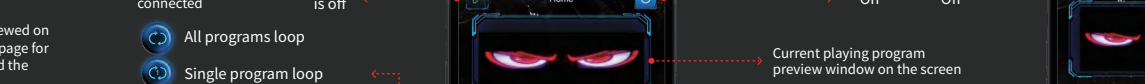
3. Homepage

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.

- Not connected
- Connected
- Bluetooth is off
- Bluetooth Connection
- Control LED screen
- On
- Off
- All programs loop
- Single program loop
- Offline configuration
- When the mobile phone is not connected to the device, programs can be preset. After the device is connected, it will automatically enter the program synchronization page and automatically download the preset offline programs to the device.
- Previous program
- Next program
- 5 program groups (or 4 program groups), 12 programs per group, 60 programs in total.
- Program group closed state
- Program group open state
- Current open program group state
- Current playing group program state

4. New program

Click the "New program" 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.



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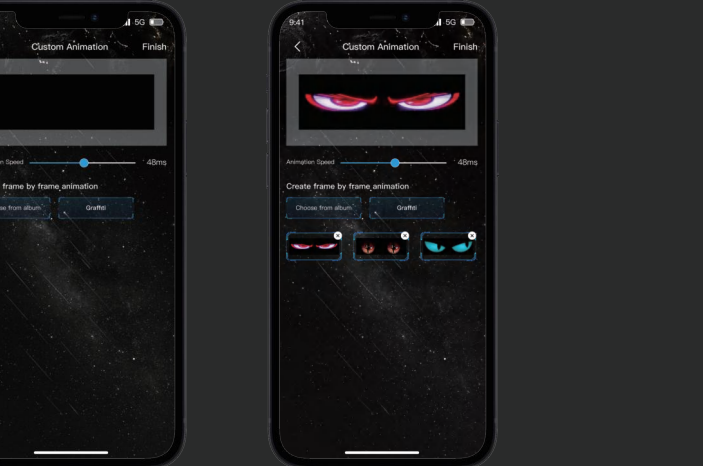
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5. Picture/Animation

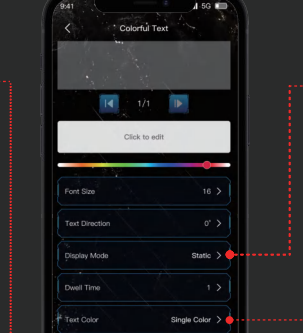
Create a new picture/animation program. Users can create their own creative animations, import multiple pictures from the mobile phone album (up to 50), set the appropriate animation speed, and send them to the device. You can also enter the graffiti page, save your graffiti works to the mobile phone album, and then import the album pictures to create animation or picture programs.

Tip: It is recommended to import pictures with the same resolution as the device. If pictures with different resolutions are imported and sent to the device, the actual display effect will not be ideal.

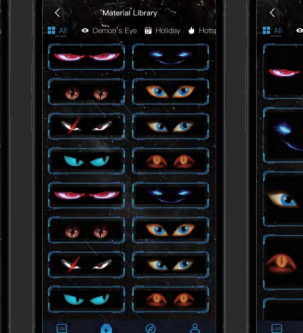
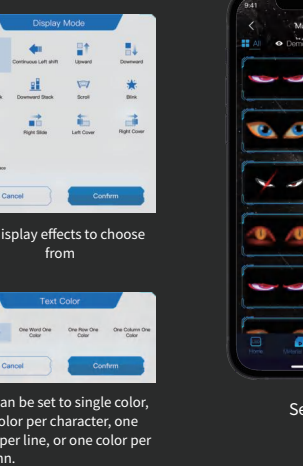


6. Colorful Text

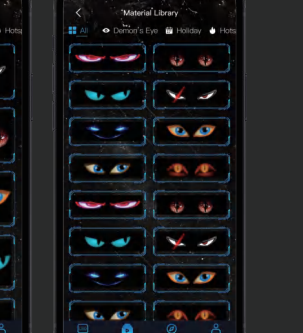
Create a new colorful text program. Users can enter any text, adjust font size, direction, display mode, color, set text dwell time and scrolling speed, and add various text border effects.



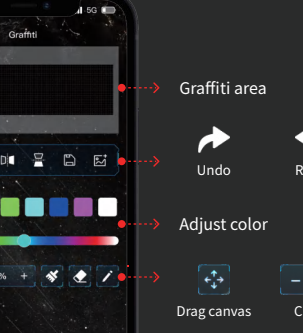
You can choose from 20 exquisite font borders, flexibly adjust the display effect, and freely control the display speed.



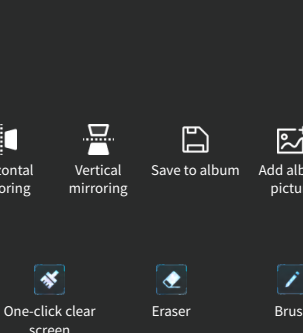
Text can be set to single color, one color per character, one color per line, or one color per column.



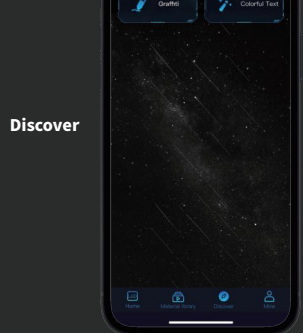
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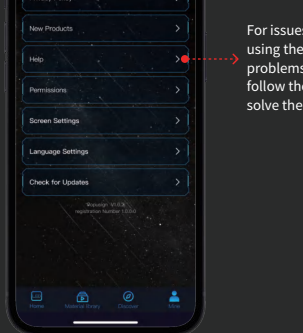
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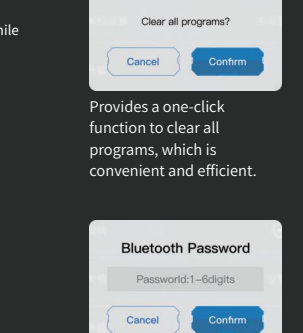
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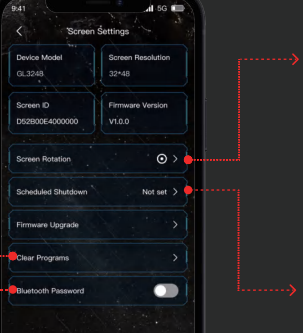
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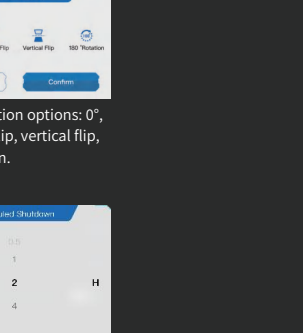
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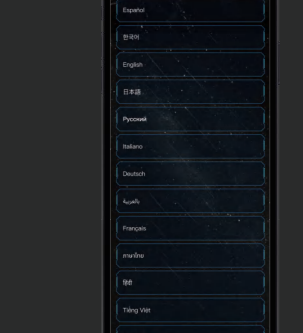
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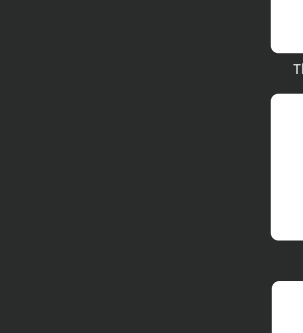
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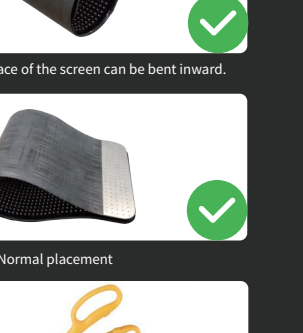
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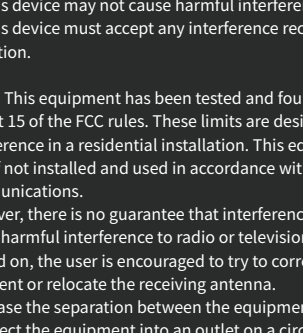
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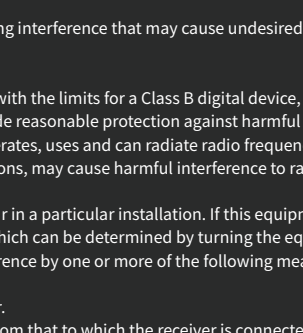
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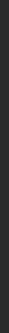
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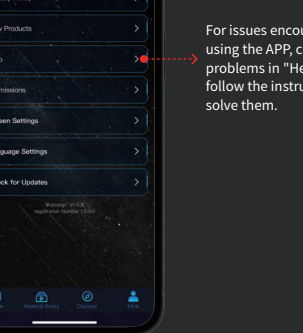
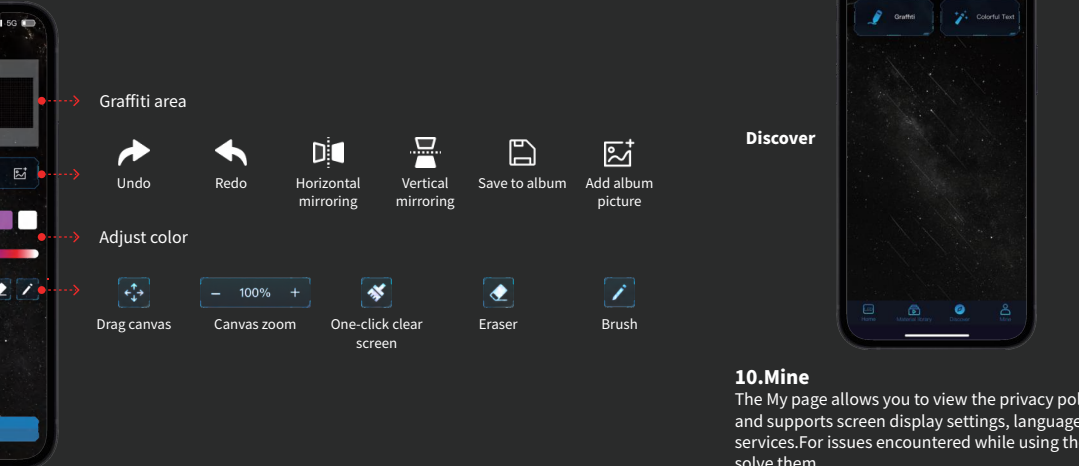


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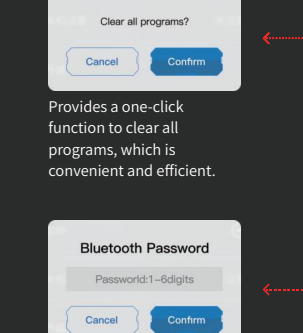
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8. Creative Graffiti

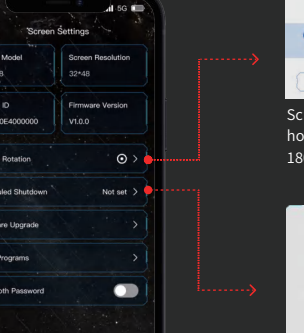
Supports custom brush colors, can undo/redo the previous step, and set horizontal and vertical mirroring. Graffiti can be saved to the album or added from the album. The canvas can be dragged and zoomed, equipped with an eraser and one-click clear screen function.



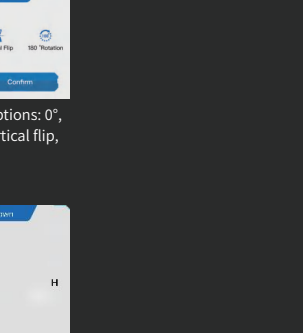
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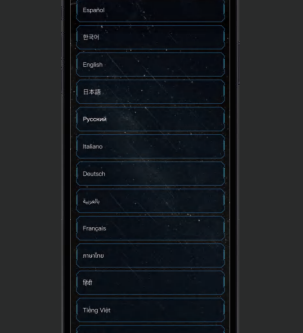
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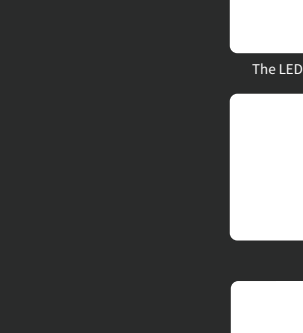
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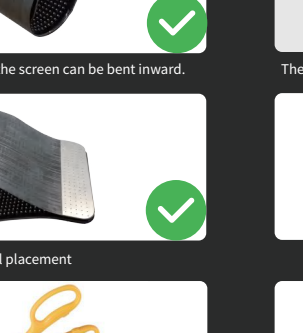
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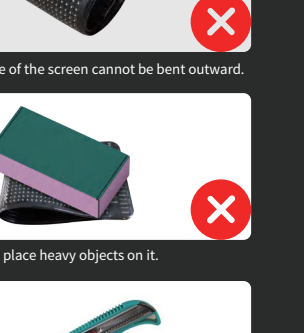
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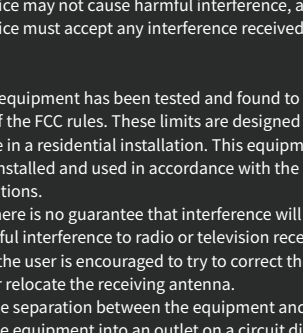
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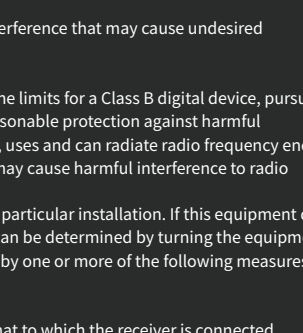
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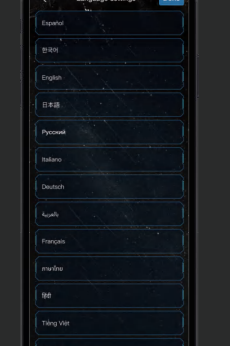
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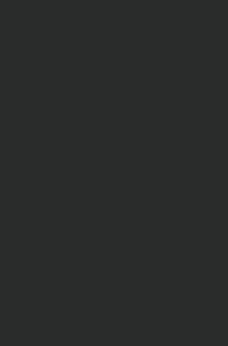
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9. Discover

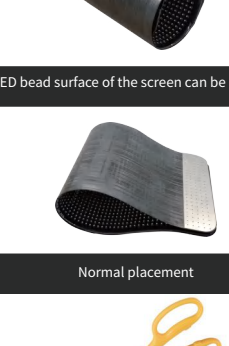
The Discover page contains graffiti and colorful text. Click graffiti to create a graffiti program, and click colorful text to create a colorful text program. For details, refer to the graffiti page and colorful text page.



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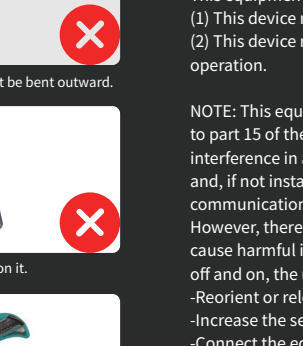
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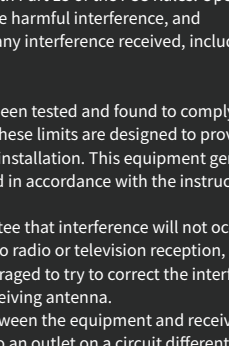
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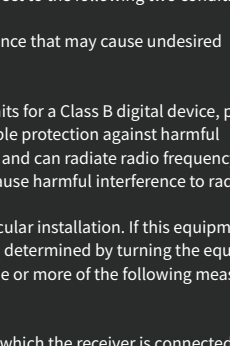
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