iDotMatrix HXS-004

iDotMatrix LED Pixel Display User Manual

Model: HXS-004

1. Introduction

This manual provides essential information for the safe and effective use of your iDotMatrix 32x32 LED Pixel Display. Please read this manual thoroughly before operating the device and retain it for future reference.



Figure 1.1: The iDotMatrix 32x32 LED Pixel Display showcasing a pixel art design, accompanied by the mobile application interface.

2. Safety Information

- Do not expose the device to water or excessive moisture.
- Avoid extreme temperatures. Operate the device within recommended environmental conditions.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Use only the provided power adapter.
- Keep out of reach of small children to prevent accidental ingestion of small parts.

3. Package Contents

Verify that all items are present in the package:

- iDotMatrix 32x32 LED Pixel Display
- USB Type-C Power Supply
- User Manual (this document)

4. Setup

4.1 Physical Setup

The iDotMatrix LED Pixel Display can be placed on a desk using its integrated stand or mounted on a wall using the hangable slots.



Figure 4.1: Detailed view of the display's physical features, including the power button, USB-C port, stand, and wall-mounting points.

4.2 Power Connection

Connect the provided USB Type-C power supply to the Type-C port on the display. Plug the power adapter into a standard electrical outlet. The display will power on automatically.

4.3 App Download and Connection

To fully utilize the display's features, download the 'iDotMatrix' application on your smartphone or tablet.

1. **Scan QR Code:** Locate the QR code on the product packaging or in the user manual to directly access the app download page.
2. **Search App Store:** Alternatively, search for 'iDotMatrix' in the Apple App Store or Google Play Store and install the application.



Figure 4.2: Guide for downloading the iDotMatrix application via QR code or app store search.

Once installed, open the app and follow the on-screen instructions to connect to your iDotMatrix LED Pixel Display via Bluetooth. Ensure Bluetooth is enabled on your device.

Your browser does not support the video tag.

Video 4.1: An instructional video demonstrating the unboxing, physical setup, and initial power-on of the iDotMatrix 32x32 LED Pixel Display, showcasing its immediate functionality.

5. Operation

5.1 Basic Functions

The display is primarily controlled via the 'iDotMatrix' mobile application. The physical button on the device typically controls power on/off or cycles through basic modes if not connected to the app.

5.2 App Control Overview

The iDotMatrix app provides a comprehensive interface for customizing your display. Key features include:

- **Pixel Art Creation:** Design your own images and animations.
- **Animation Display:** Browse and display pre-loaded or user-created animations.
- **Text Messages:** Create scrolling text messages with various fonts and colors.
- **Digital Clock:** Set the display to show time in various formats.
- **Alarm & Schedule:** Configure alarms and reminders with visual notifications.
- **Music Mode:** Visualize audio with dynamic pixel art animations.

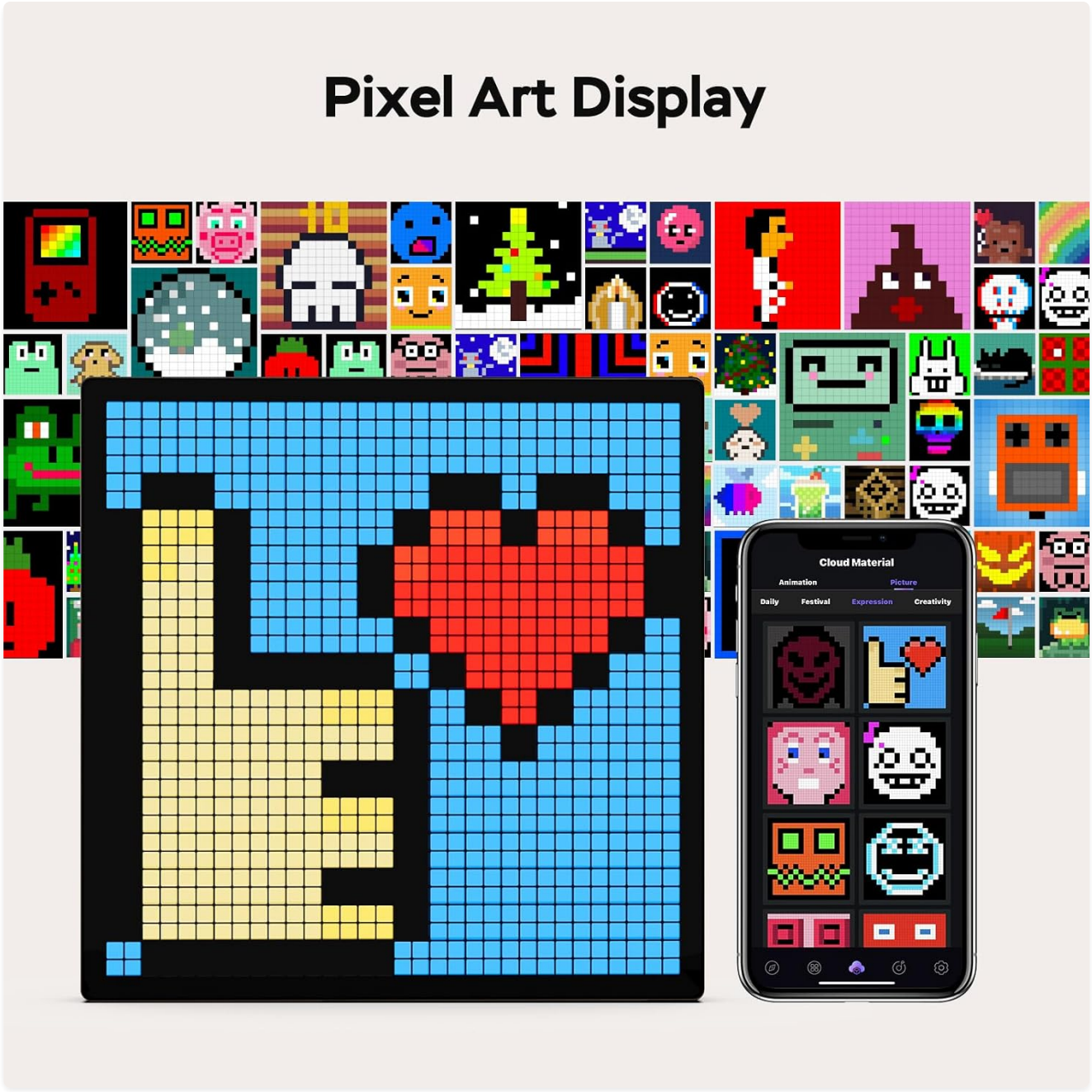


Figure 5.1: The display showcasing pixel art, illustrating the wide range of creative possibilities available through the app's material library.

5.3 Specific Features

5.3.1 Creative DIY Display

The app offers tools to create custom pixel art, animations, and scrolling text. This allows for personalized messages and designs.



Figure 5.2: Demonstrating the app's creative tools for designing custom pixel art and text, which can then be displayed.

5.3.2 Digital Clock & Schedule

Transform your display into a functional digital clock. You can set alarms and schedules, with the built-in buzzer providing reminders.



Figure 5.3: The display functioning as a digital clock, suitable for various room settings.



Figure 5.4: Setting a digital alarm clock through the iDotMatrix app.

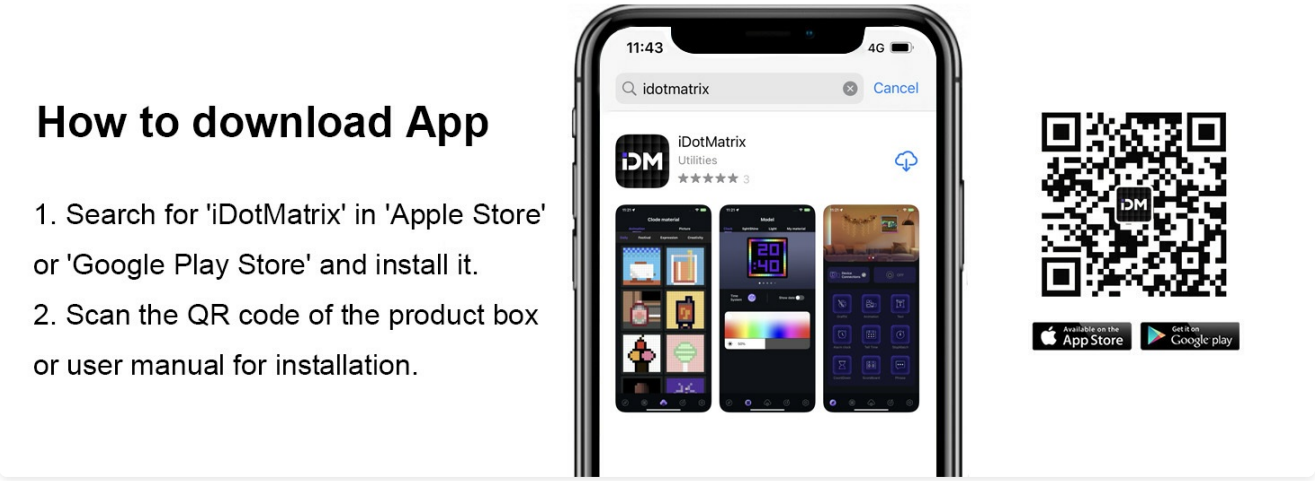


Figure 5.5: Configuring schedule reminders within the iDotMatrix app.

5.3.3 Gaming Accessories & Music Mode

Integrate the display into your gaming setup for enhanced visual effects. The music mode allows the display to react to audio, creating dynamic light shows.



Figure 5.6: The display as a gaming accessory, adding visual flair to a desktop setup.

5.3.4 Countdown Timer

Utilize the display as a countdown timer for various activities, from work sessions to relaxation periods.



Figure 5.7: The display functioning as a countdown timer, useful for various daily activities.

5.3.5 Message Board

Use the display to show custom text messages, serving as a dynamic message board for your home or office.



Figure 5.8: Creating and displaying text messages on the pixel display.

6. Maintenance

6.1 Cleaning

To clean the display, gently wipe the surface with a soft, dry, lint-free cloth. Do not use abrasive cleaners, solvents, or spray directly onto the display.

6.2 Storage

When not in use for extended periods, store the display in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it in its original packaging if possible to protect it from dust and damage.

7. Troubleshooting

Problem	Possible Cause	Solution
Display does not power on.	No power, faulty adapter, or loose connection.	Ensure the power adapter is securely connected to both the display and a working power outlet. Try a different outlet.
Cannot connect to the app via Bluetooth.	Bluetooth is off, device is out of range, or app issue.	Ensure Bluetooth is enabled on your smartphone/tablet. Move closer to the display. Restart the app and the display. Some users have reported initial Bluetooth connection challenges; ensure the display is discoverable and try pairing again.
Display shows incorrect time.	Time not synchronized with app.	Connect the display to the app and ensure the time synchronization setting is enabled or manually set the time within the app.
Pixel art or animations are not displaying correctly.	Corrupted data, app glitch, or outdated firmware.	Restart the display and the app. Check for app updates. If the issue persists, try resetting the display (refer to app for reset option if available).

8. Specifications

Feature	Detail
Model Number	HXS-004
Display Type	LED Pixel Display

Feature	Detail
Pixel Resolution	32x32
Product Dimensions	7.9"D x 0.9"W x 7.9"H (7.9 x 0.9 x 7.9 inches)
Item Weight	1.04 Pounds
Material	Acrylonitrile Butadiene Styrene (ABS)
Color	Black
Power Source	Corded Electric (USB Type-C)
Voltage	5 Volts
Wattage	10 watts
Control Method	App (Bluetooth/Wi-Fi connectivity)
Mounting Type	Wall Mount, Desk Stand
Indoor/Outdoor Usage	Indoor

9. Warranty and Support

For detailed warranty information and customer support, please refer to the official iDotMatrix brand store or contact their customer service directly.
You can also find additional information and a downloadable PDF version of the user manual at the following link: iDotMatrix User Manual (PDF)
Visit the iDotMatrix Brand Store: iDotMatrix Store on Amazon

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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