

Vestaboard Display System

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This document is part of the Mastercard Makerspace Equipment Library.

All devices and tools listed herein are maintained according to internal safety and operational standards.

For support, contact the Makerspace coordinator.

Mastercard Makerspace Technical Manual

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Vestaboard Display System User Manual

Overview

Model: Vestaboard Split-Flap Display

Manufacturer: Vestaboard Inc.

Category: IoT Display

The Vestaboard is an IoT-enabled split-flap display used to show real-time Mastercard transaction details, announcements, and news feeds outside the Makerspace. It's integrated via API for automated updates.

1\ Setup

1. Mount securely on wall.
2. Connect to Wi-Fi and Vestaboard Cloud.
3. Link API key to Mastercard data feed.

2\ Operation

Displays messages and live data updates automatically through the API integration.

3\ Safety

Avoid exposure to moisture. Do not manually move flaps.

4\ Maintenance

Clean flaps with soft brush. Verify cloud connection monthly.

5\ Troubleshooting

If display freezes, restart via app or disconnect power briefly.

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Overview and Specifications

The Vestaboard Split-Flap Display is an IoT-enabled display system designed to provide real-time updates on Mastercard transactions, announcements, and news feeds. It is ideal for use in Makerspaces to keep members informed with automated, dynamic content.

Specifications

Dimensions : 37" x 21" x 3.5" (Width x Height x Depth)

Weight : 23 lbs

Power Requirements : 100-240V AC, 50/60Hz, 1.5A

Connectivity : Wi-Fi 802.11 b/g/n, Vestaboard Cloud API

Display Type : Split-Flap

Material : Aluminum frame with plastic flaps

Safety and Compliance Information

Avoid Moisture : The Vestaboard is not waterproof. Ensure it is installed in a dry environment.

Do Not Manually Move Flaps : Manual movement can damage the mechanism.

Compliance : This product complies with FCC and CE regulations for electronic devices.

Installation / Setup

Step-by-Step Installation

1. Mount Securely on Wall

Use the included wall mount bracket.

Ensure the wall can support the weight of 23 lbs.

Use a level to ensure the display is straight.

2. Connect to Wi-Fi and Vestaboard Cloud

Power on the Vestaboard.

Use the Vestaboard app to connect to your Wi-Fi network.

Follow the app instructions to link the display to the Vestaboard Cloud.

3. Link API Key to Mastercard Data Feed

Obtain your API key from the Mastercard developer portal.

Enter the API key in the Vestaboard app to start receiving data.

Operating Modes and Usage Examples

Operating Modes

Automatic Display Mode : Displays messages and live data updates automatically through the API integration.

Manual Update Mode : Use the Vestaboard app to manually push messages to the display.

Usage Examples

Transaction Updates : Display real-time Mastercard transaction details.

Announcements : Schedule announcements for Makerspace events.

News Feeds : Integrate with RSS feeds to display current news.

Maintenance Schedule

Maintenance Task | Frequency

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Clean flaps with soft brush | Monthly

Verify cloud connection | Monthly

Check for software updates | Quarterly

Troubleshooting

Problem | Cause | Solution

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Display freezes | Network connectivity issue | Restart via app or disconnect power briefly

Flaps not updating | API key not linked properly | Verify API key and re-link if necessary

Wi-Fi connection lost | Weak signal or incorrect settings | Re-enter Wi-Fi credentials in app

Accessories or Compatible Components

Wall Mount Kit : Included with purchase.

Vestaboard App : Available on iOS and Android for setup and manual updates.

API Integration : Supports integration with various data feeds via Vestaboard Cloud.

Warranty and Support Notes

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Warranty : Vestaboard offers a one-year limited warranty covering defects in materials and workmanship.

Support : For technical support, contact Vestaboard Inc. via their official website or through the Vestaboard app.

Extended Warranty : Optional extended warranty plans are available for purchase.

For further assistance, please refer to the Vestaboard support page or contact our customer service team.

Vestaboard Inc.

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Resources:

End of Manual - For updates, please check the latest version at:

https://mpandey-mastercard.github.io/makerspace-manuals/manuals/tool_008_manual.pdf

- Manual Pdf Local: /manuals/tool_008_manual.pdf

- Manual Pdf Public: https://mpandey-mastercard.github.io/makerspace-manuals/manuals/tool_008_manual.pdf

- Tutorial Video: https://www.youtube.com/watch?v=q83Pnl_eC50

- Qr Code: https://mpandey-mastercard.github.io/makerspace-manuals/qrcodes/tool_008_qr.png