

Uink



E-paper Display User Manual

(VE315)

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VE315A_User Manual

User Manual for VE315A Electronic Ink Screen Device

1. Product Overview

1.1 Product Introduction

VE315A is an electronic ink display device launched by uink, suitable for scenarios such as store promotions, announcement displays, and exhibition hall displays. The device manages and distributes content through the uink RMS Cloud Rendering Mid-Platform, supporting two content modes: template rendering and direct image push.

1.2 Model Information

Parameter	Specification
Model	VE315A
Series	VE315
Communication Method	Wi-Fi + BLE
Near-field Configuration	BLE
Battery Type	Rechargeable Battery

1.3 Main Features

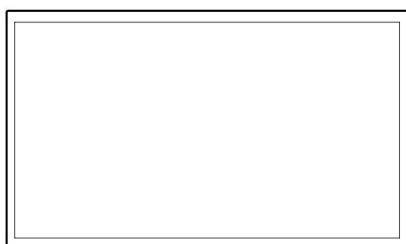
- Electronic ink screen display, content persists after power-off
- Ultra-low power consumption, supports rechargeable battery or external Type-C power supply
- Supports BLE Bluetooth Near-Field Network Configuration
- Equipped with 3 physical buttons (Power / UP / DOWN) and a green LED indicator
- Remotely manage content via the uink RMS platform or API
- Supports OTA remote firmware upgrade

2. Packing List

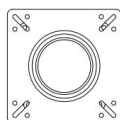
After unpacking, please confirm that the following accessories are complete:

Serial Number	Accessory Name	Quantity	Description
1	Electronic Ink Screen Host	1	Contains a built-in rechargeable battery
2	Type-C + Adapter	1	For power supply or charging
3	Mounting Bracket	1	For wall/facade installation
4	Installation Screw Kit	1 set	Includes expansion screws, self-tapping screws, and anti-theft screws
5	Warranty Card	1	Paper Card

If there are any missing or damaged items, please contact the supplier for replacement.



1 × VE315 Series Device



1 × Mounting Bracket



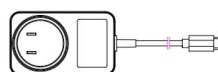
4 × Wall Mounting Kits



4 × Locking device screw



1 × Warranty Card

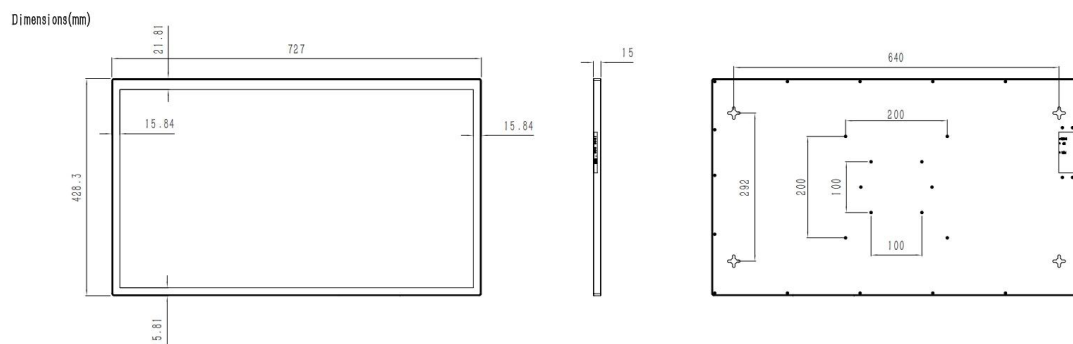


1 × Power Adapter

3. Product Appearance and Structure

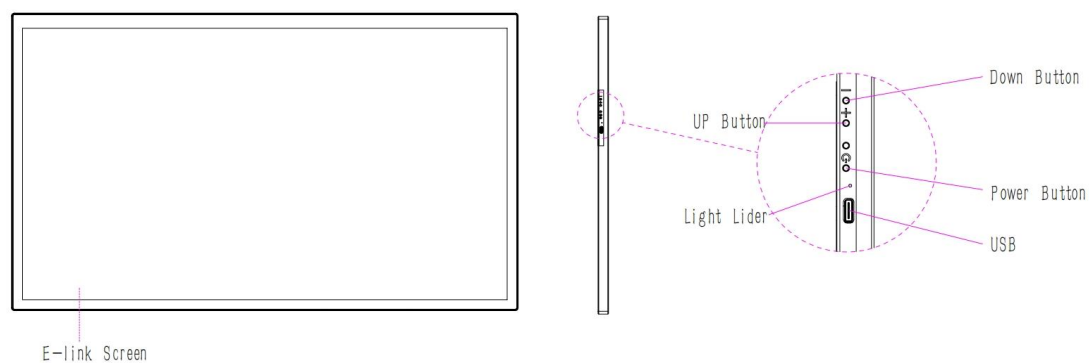
3.1 Appearance Description

- **Front:** Electronic ink screen display area
- **Back:** VESA hole mounting dimensions and wall-mounting hole mounting dimensions
- **Bottom Side:** Power Button, UP Button, DOWN Button, Type-C Charging/Powering Port



3.2 Button and Indicator Positions

- Power button: located on the bottom side along the length of the device, responsible for power on/off and Bluetooth control
- UP / DOWN keys: Located on the bottom side of the device in the length direction, responsible for content page turning
- Green LED Indicator: Located on the bottom side along the length of the device, responsible for indicating the device status



4. Explanation of Buttons and Indicators

VE315A is equipped with 3 physical buttons and 1 green LED indicator for performing basic operations and indicating device status.

4.1 Button Operations

Button	Operation Mode	Function	LED Indicator Feedback
Power Key	Long press for 3 seconds	Power On	When pressed, the green light turns on until it starts flashing
Power Key	Long press for 3 seconds	Shutdown	The green light flashes 3 times
Power Key	Short press	Turn on Bluetooth (enter network configuration mode)	Green light flashing slowly (Bluetooth broadcasting)
UP Key	Short press	Previous content	—
DOWN Key	Short press	Next content	—
DOWN Key	Long press for 10 seconds	Restore Factory Settings	Green light flashing rapidly (device resetting)

4.2 Indicator Light Description

LED Status	Meaning
Green light stays on for 3 seconds and then starts to flash	Power On
The green light flashes 3 times	Shutdown
Green light flashing rapidly	Restoring factory settings
Green light flashing slowly	Bluetooth is enabled, waiting for App

	connection
Light off	Device is powered off or in standby mode

Note: Bluetooth broadcasting automatically exits approximately 5 minutes after timeout, and the indicator light turns off. If the App fails to connect in time, please press the Power button briefly to restart Bluetooth.

5. Power Supply and Charging

5.1 Power Supply Mode

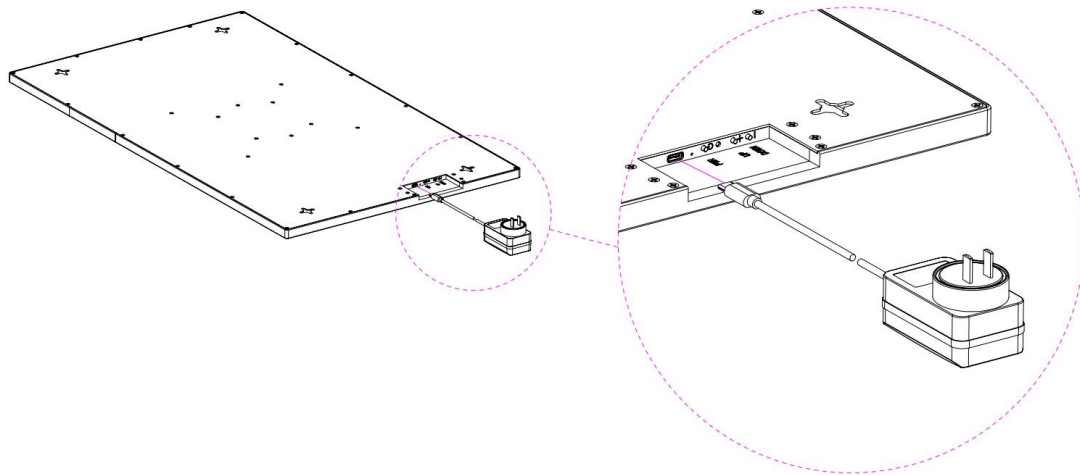
Power supply mode	Description
Type-C continuous power supply	Recommended for long-term use scenarios, while charging the built-in battery
Built-in rechargeable battery	Suitable for temporary scenarios without power supply conditions

5.2 Charging Instructions

- Connect the device for charging using the included Type-C cable
- During the charging process, the device operates normally without affecting display and communication
- It is recommended to charge the battery in time when the power is low to avoid complete battery depletion
- When charging is disconnected, the device will briefly lose power, but the content displayed on the screen will not be lost (a characteristic of e-ink screens), and the device will automatically reconnect to the platform after being powered on again.

Power Supply

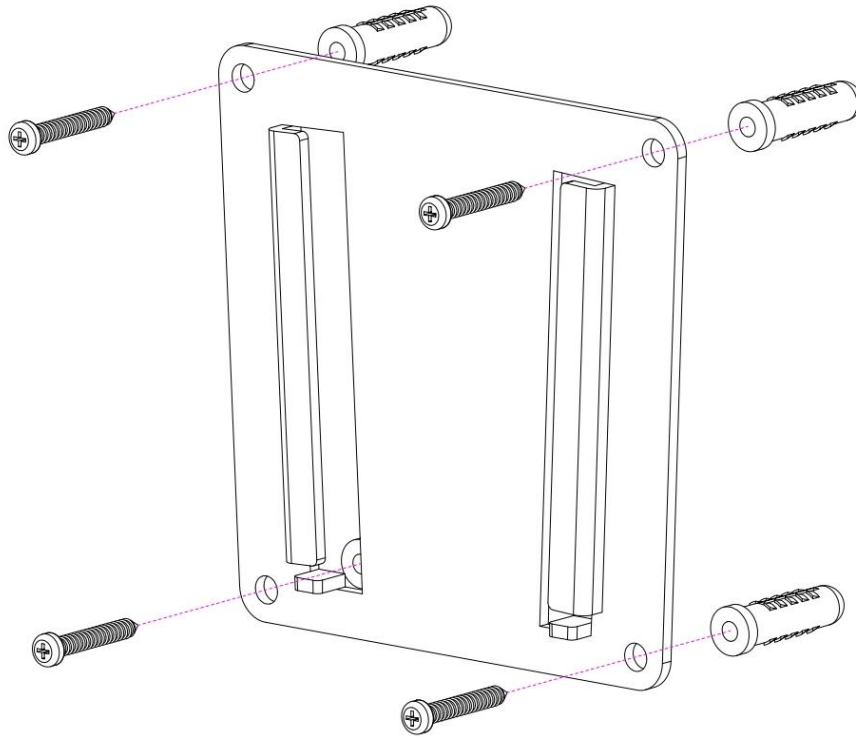
The adapter connects to a power strip at one end and the USB port of the device at the other end to charge the device.



6. Equipment Installation

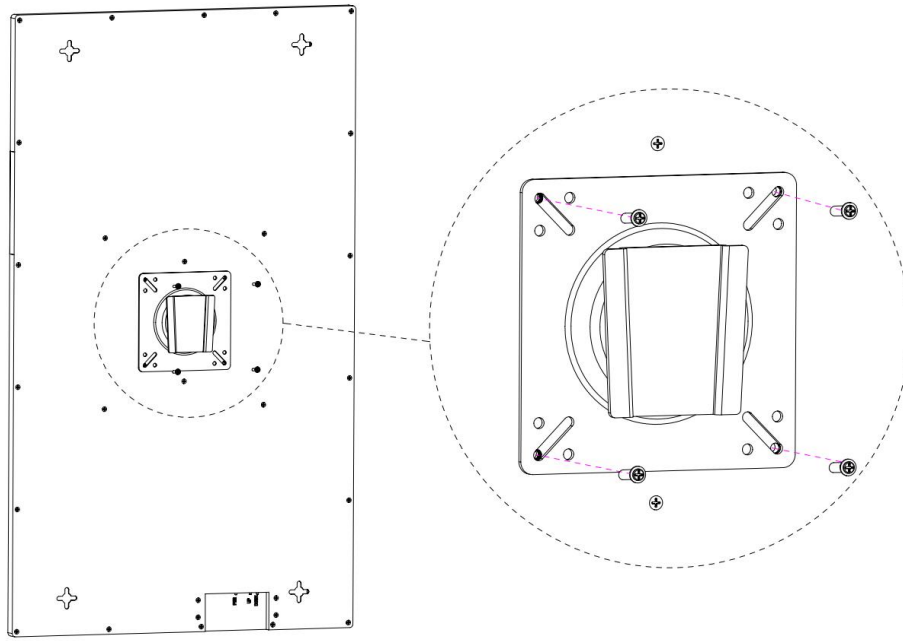
6.1 Installation Method: Bracket Installation

1. Select the installation location and mark the screw hole positions of the mounting backplate with a pencil
2. Use a drill to make holes and insert expansion screws
3. Fix the rotating bracket-2 to the wall using expansion bolts and expansion sleeves.
4. During installation, pre-embed the expansion sleeve into the corresponding hole in the wall, then pass the expansion bolts through the mounting holes at the four corners of the rotating bracket - 2 and tighten them one by one to ensure that the bracket fits tightly against the wall and is firmly fixed.



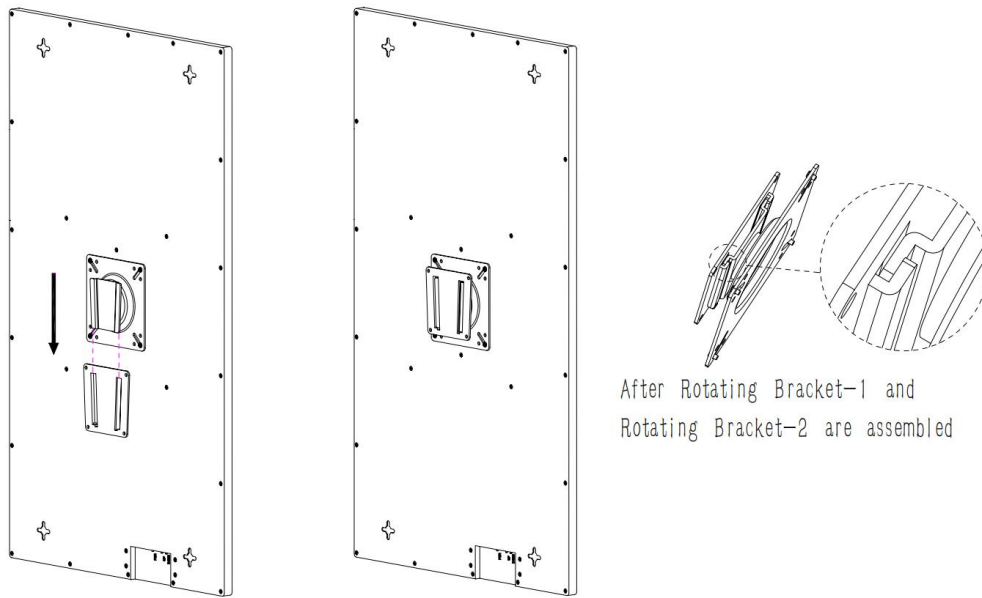
Fasten Rotating Bracket-2 to the wall with expansion screws and expansion sleeves.

5. Use the round head screws included in the screw pack to secure the rotating bracket-1 to the back of the device.
6. During installation, align Rotating Bracket - 1 with the mounting holes on the back of the device, screw in the round head screws one by one and tighten them evenly to ensure that Rotating Bracket - 1 is firmly and reliably connected to the device.



Fasten Rotating Bracket-1 to the equipment using pan-head screws from the screw kit.

7. Slide Rotating Bracket - 1 vertically downward into the slot of Rotating Bracket - 2 until it is fully engaged and in place.
8. After installation is complete, the snap-fit structures of Rotating Bracket-1 and Rotating Bracket-2 interlock with each other (as shown in the partial enlarged view), ensuring a secure connection between the two, and the device can then achieve the rotation adjustment function.
9. If external power supply is required, connect the Type-C cable and route and secure it



Slide Rotating Bracket 1 into the slot of Rotating Bracket 2.

7. Device Network Configuration and Activation

7.1 Preparation

- Download and install the uink App (iOS / Android)
- Ensure that the Bluetooth on your phone is turned on
- Ensure that the 2.4GHz Wi-Fi network is available (5GHz is not supported for the time being)
- Ensure the device has sufficient power (recommended $\geq 50\%$)
- Ensure that the distance between the mobile phone and the device is within 5 meters

7.2 App Account Registration and Login

Select Server

After opening the App for the first time, select the server according to the usage scenario:

Server Type	Applicable Scenarios	Configuration Method
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Public Cloud Server	General User	Directly select a region (e. g., Europe, Asia-Pacific)
Private Deployment Server	Enterprise Private Deployment Users	Manually enter the platform URL address after clicking

Registration and Login

1. **Email Registration:** Use your email as the unique identifier, enter your email and click "Get Verification Code"
2. **Verification Code Verification:** The system will send a 6-digit verification code to your email. Enter it to complete registration
3. **Set Password:** After successful verification, you can set a login password, and subsequently log in directly via "Email + Password".
4. **Compliance Confirmation:** Read and check to agree to the <User Agreement> before logging in

7.3 Add device via App (core process)

⚠ Please keep your phone's Bluetooth turned on throughout the network configuration process to ensure that the distance between your phone and the device is within 5 meters. Do not close the App or switch it to the background during the network configuration process, otherwise the network configuration will fail.

Step 1: Turn on the device's network configuration mode

- Press and hold the Power button on the side of the device for 3 seconds. The green indicator light will turn on and flash twice, and the screen will flash and display the boot-up guide image.
- Short press the Power button to turn on Bluetooth, and the green light starts to flash slowly, indicating that Bluetooth broadcasting is ready
- 💡 If the App fails to detect the device, you can briefly press the Power button again to reactivate Bluetooth.

Step 2: Bluetooth Scanning and Connection

1. Click "Add Device" on the home page of the App, and the list of scanned devices will be displayed in real-time below
2. Click on the target device, enter the "Device Details Page", and verify the following information: device name, device model, serial number (SN), hardware version, and current firmware version
3. After confirming that everything is correct, click the "Connect" button to establish

a Bluetooth connection

Step 3: Network Configuration and Progress Visualization

1. Select a 2.4GHz Wi-Fi network and enter the password
2. The page jumps to the connection progress page, displaying the following three stages:

Phase	Description
① Wi-Fi Connection	Whether the device is successfully connected to the router
② Configuration Write	Whether the distribution network information has been successfully sent to the device
③ Server Connection	Whether the device has successfully connected to the cloud platform

If a step fails (e. g., incorrect password, server timeout), the page provides a "Retry" button, eliminating the need to start network configuration from the beginning.

Step 4: Naming and Completion

- After all three phases are successfully completed, the system automatically jumps to the naming page
- Fill in the device nickname (e. g., "Meeting Room A1"), then click "Confirm"
- Device addition completed, status changed to online, content can be immediately distributed

7.4 Reconfigure Network

If the Wi-Fi in the device's usage environment changes, you can quickly reconfigure the network via the App without deleting the device:

1. On the App device details page, click "Network Configuration"
2. Ensure that the phone's Bluetooth is turned on and the device is within Bluetooth range
3. Establish a Bluetooth connection with the device
4. Select a new Wi-Fi network and enter the password
5. Waiting for the device to reconnect to the network and server

8. Content Management and Distribution

8.1 Content Delivery on the App Side

1. Click on the device card to enter the details page
2. Click "Select Template":
 - **My Template:** Saved common template styles
 - **Template Library:** If "My Templates" is empty, you can add templates from the "Public Template Library" or create them on the Web platform
3. After selecting a template and confirming, the device receives the instruction and refreshes the screen

8.2 App-side Device Operation and Maintenance

In the App device list, click on the device card → "Details" in the top right corner to perform the following operations:

Operation	Description
View basic information	Device model, SN, hardware version, firmware version, supports modifying device name
Network Configuration	When Wi-Fi changes, it can quickly reconfigure the network without deleting the device
Refresh	Force the device to refresh the currently displayed content via Bluetooth
Restart	Trigger device hardware restart via Bluetooth
Firmware Upgrade	Perform local device firmware upgrade via Bluetooth

8.3 Platform Operation

By accessing the uink RMS platform, operations such as template design, device management, and content distribution can be performed.

Area	Platform Address
EMEA (Europe)	https://eu.rms.uink.com

9. Frequently Asked Questions and Troubleshooting

9.1 The device fails to power on

- Check if the device has sufficient power, and connect Type-C power supply if necessary
- Press and hold the Power button for 3 seconds, and observe whether the green light comes on

9.2 The app cannot detect the device (Bluetooth scanning fails)

- Short press the Power button to turn on Bluetooth again, and confirm that the green light flashes slowly
- Confirm that the phone's Bluetooth is turned on and the App has obtained Bluetooth permissions
- Turn off and then turn on the phone's Bluetooth, or restart the App and try again
- Ensure that the distance between the mobile phone and the device is within 5 meters

9.3 Wi-Fi network configuration failed

- Verify that the Wi-Fi name and password are correct (pay attention to case sensitivity and special characters)
- Confirm that the network is in the 2.4GHz band (5GHz is not supported)
- Check the Wi-Fi signal strength. It is recommended that the device be ≤ 10 meters away from the router.

9.4 After network configuration, the device fails to communicate with the platform

- Confirm that the Wi-Fi network can access the Internet normally
- Check if the platform server address is correct
- Confirm that the router has no firewall policy blocking the device

9.5 Restore Factory Settings

Press and hold the DOWN key for 10 seconds, the device will restore to factory

settings and clear all network configuration data. After resetting, you need to reconfigure the network via the App.

 *Factory reset will erase all network configuration data. Please confirm before proceeding.*

10. Technical Specifications

Parameter	Specification
Screen Type	Electronic Ink Screen (E-Ink)
Communication Method	Wi-Fi 2.4GHz + BLE
Near-field Configuration	BLE
Power supply mode	Type-C Power Supply / Built-in Rechargeable Battery
Button	Power Key × 1, UP Key × 1, DOWN Key × 1
Indicator Light	Green LED × 1
Operating Temperature	0°C ~ 40°C
Installation Method	Screw Fixing / Bracket Installation

11. Contact and Support

For technical support, please contact: support@uink. com

RMS App:

- iOS: App Store 搜索 uink RMS (<https://apps.apple.com/us/app/uink-rms/id6756906628>)
- Android: Google Play 搜索 uink RMS (<https://play.google.com/store/apps/details?id=com.uink.rms>)

Official website address: [https://www. uink. com/](https://www.uink.com/)

This document is written based on the uink RMS V1.2.0 platform