2026

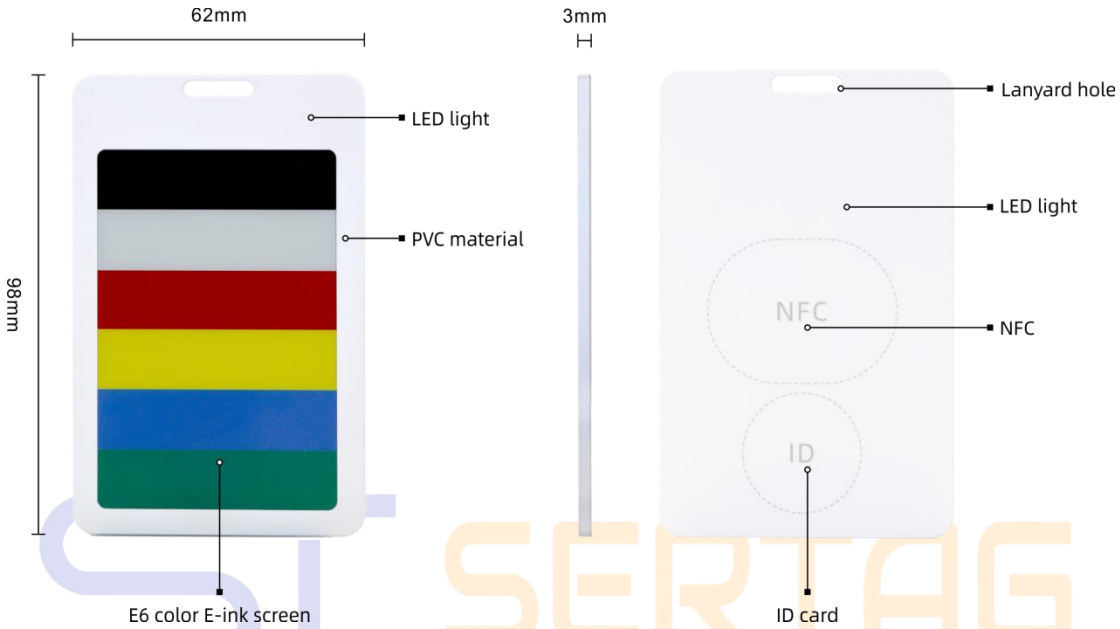
3.6 inch 6-Colors NFC E-ink Badge SETPN36_E6 Instruction Manual

DALIAN SERTAG TECHNOLOGY CO., LTD

Catalogue

1. 3.6-inch NFC E-Ink Badge

1.1. External Schematic Diagram



1.2. Featured Functions

a. Passive Ultra-thin NFC Card: No power supply required, with over 1 million refresh times and a long service life.

b. Data Interface Function: Supports data interaction and needs to be used with a dedicated card reader.

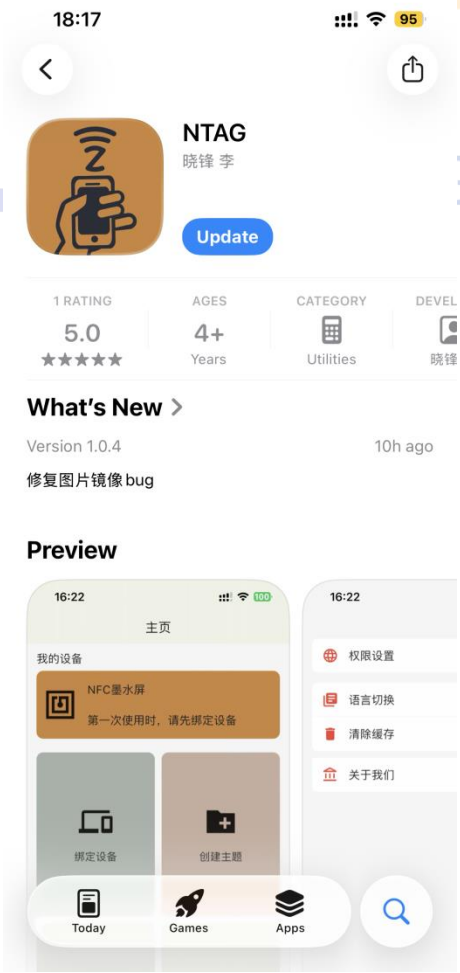
c. Customizable Template Function: Supports text, barcode, QR code and image elements, allowing independent DIY design.

d. Built-in Rewritable ID Card: Enables device rewriting and is compatible with company access control systems.

2. The APP Installation Guide

1. Download the APP. For Android phones: Use a browser to scan the code, download the APK file, then install it.

2. For iOS phones: Search **"NTAG"** in the Apple Store.



3. Mobile Phone Screen Refresh Operation Process

Step 1: Bind the Device (Mandatory for First Use)

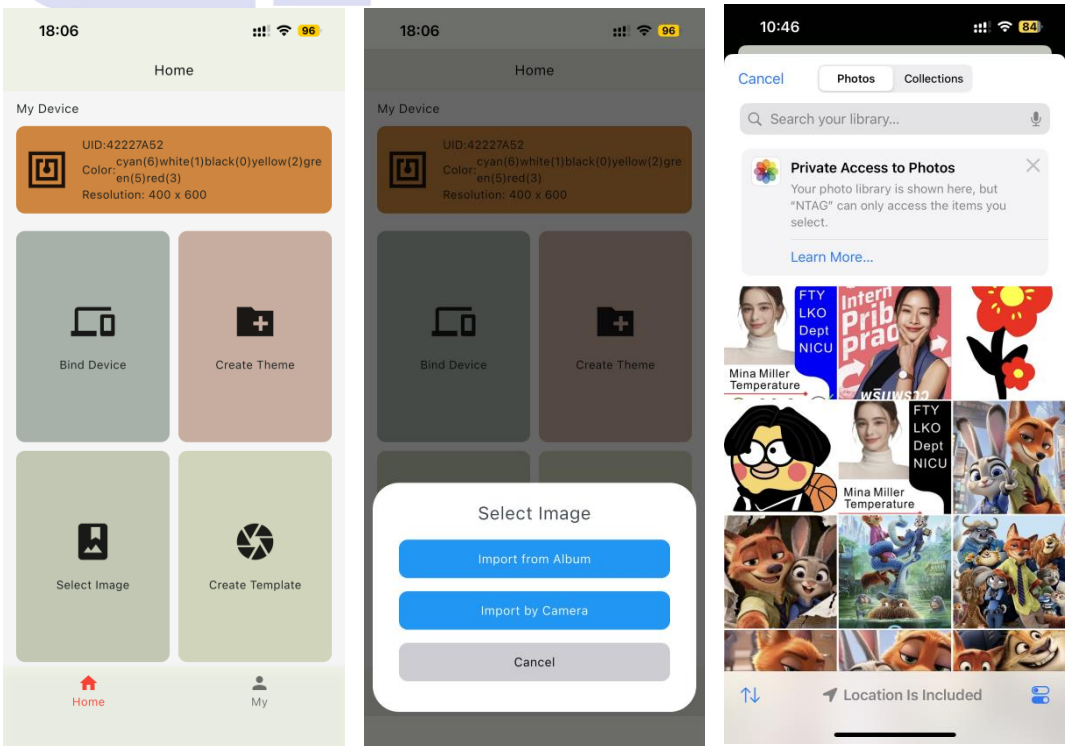
Open the installed NTAG app, enter the homepage, and click **"Bind Device"** to prepare for the device binding operation.

Step 2: Complete Binding

Bring your mobile phone **close to the NFC center of the device**. The system will automatically scan and complete the binding. After successful binding, the page will display relevant device information (e.g., UID, Colors: Cyan (6), White (1), Black (0), Yellow (2), Green (5), Red (3), Resolution: 400×600).

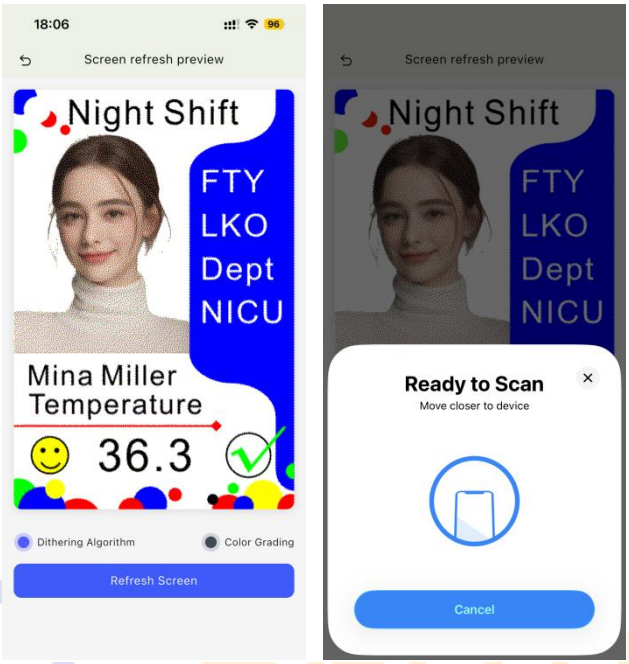
Step 3: Select an Image

After binding the device, click **"Select Image"**. Two image import methods are supported; after selection, click the checkmark button in the upper right corner of the image to confirm.



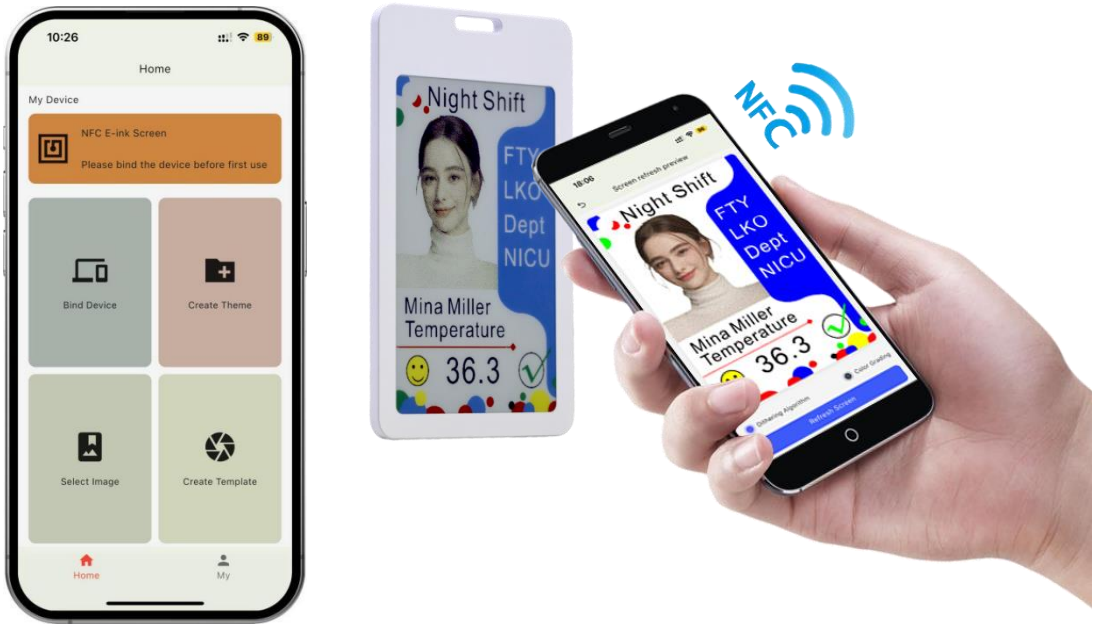
Step 4: Select Algorithm and Prepare for Refresh

The default algorithm is **"Dithering Algorithm"**. You can switch to "Color Grading" as needed. Preview the screen refresh and click "Refresh Screen".



Step 5: Complete Screen Refresh

Bring your mobile phone **close to the NFC center of the device again**. The system will display "Screen is being refreshed". Once prompted with "Operation Successful", the entire screen refresh process is completed.



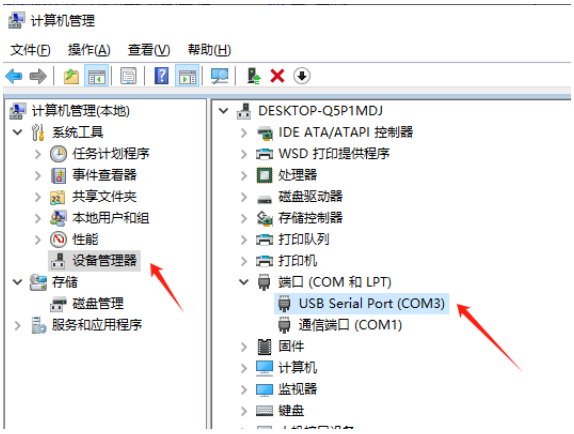
4. Computer Screen Refresh Operation Process

4.1. Hardware and Software Preparation

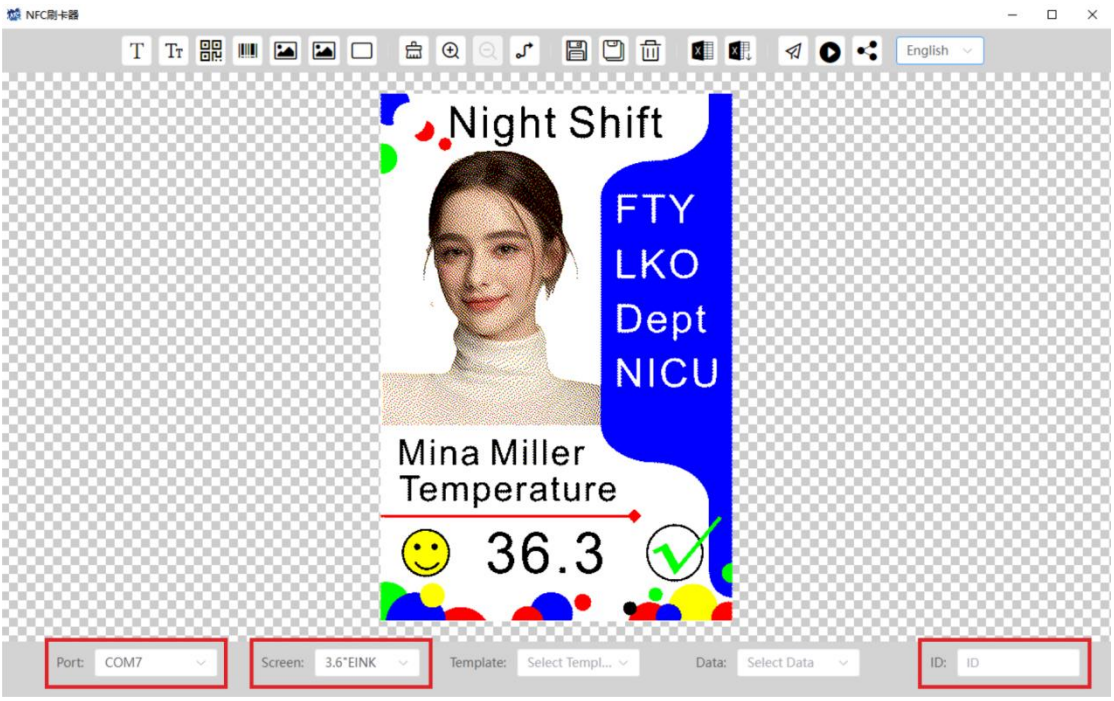
a. Hardware Preparation: Prepare an NFC card reader and an NFC tag. The tag will be used for storing or transmitting data.

b. Software Preparation: Install the "NFC Card Reader" application on the Windows client. This software supports reading and writing data to NFC tags.

c. Driver Installation: Connect the NFC card reader to the USB port of the Windows client. The system will usually automatically recognize and install the required drivers. If the system fails to install the drivers automatically, you can unzip the provided installation package and install the drivers manually.



4.2. Computer-Side Screen Refresh Operation Process



Step 1: Connect the Device and Launch the Program

Connect the NFC card reader to the computer's USB port, then open the installed "NFC Card Reader" application on the computer.

Step 2: Set Parameters

In the program interface, select the serial port as "COM7" and the screen as

"3.6"EINK".

Step 3: Read the Device ID

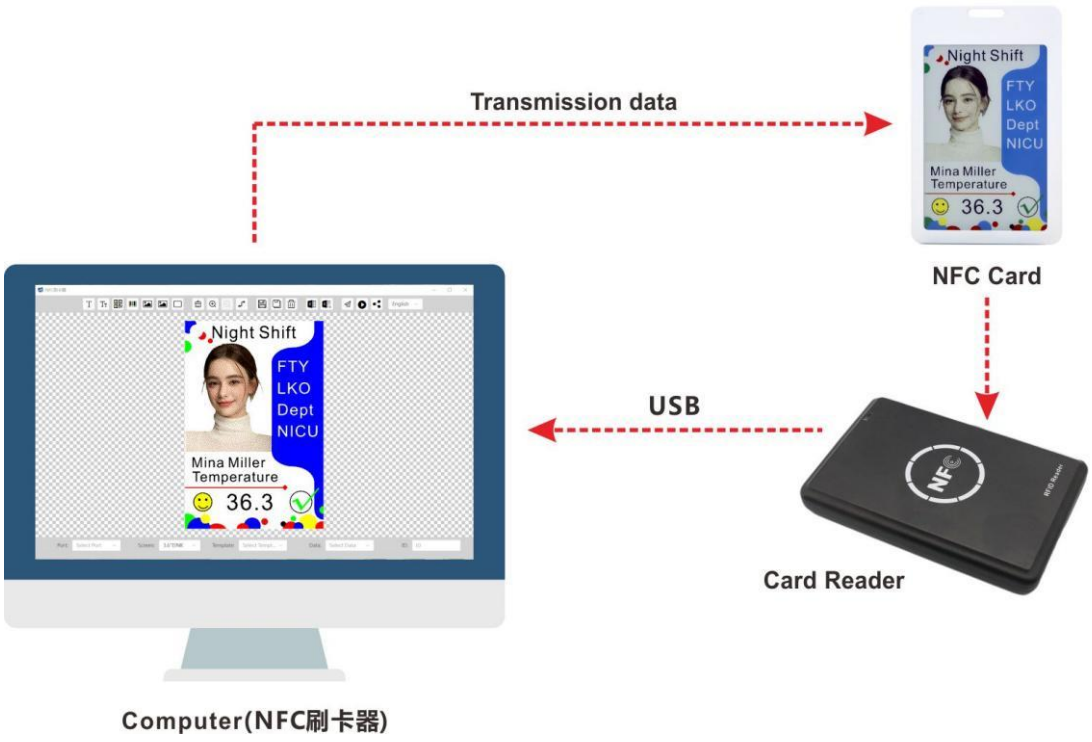
Place the device in the card reader's sensing area. Once the tag ID pops up automatically, the reading is successful.

Step 4: Edit Content or Upload Images

In the program interface, you can edit the device information; alternatively, upload images with a resolution of 400×600.

Step 5: Send and Complete Screen Refresh

Click the "Manual Send" button in the upper right corner of the interface. During the projection process, the message "Do not move the card! Transferring data" will be displayed. Once prompted with "Card operation successful", the entire screen refresh process is completed.



4.3. Notes

a. Keep the Sensing Area Clean: When using the card reader, ensure the sensing area is free of dust or dirt. These impurities may interfere with communication between the card reader and the NFC tag.

b. Avoid Interference: During use, keep other metal objects or electronic devices away from the sensing area. These items may cause interference and prevent the card reader from working properly.

c. Protect the NFC Tag: NFC tags are generally fragile and prone to physical damage. Therefore, handle and store the tag with care.

d. Application Updates: Regularly check for and update the NFC Card Reader application to ensure it supports the latest NFC technologies and functions.

4.4. Video Operation Tutorial

Check out more tutorials for new users

Watch detailed video operation guides Get started faster and easier