POSHIJI ESL Management System Operation Manual

Document Version: V1.0

Release Date: March 2026

Applicable System: POSHIJI ESL Management System Web Admin Panel

Target Audience: System Administrator, Store Manager

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POSHIJI ESL Management System App Operation Manual

Document Version: V1.0
Release Date: March 2026
Applicable System: Android / iOS
Target Audience: Store Operator, Store Staff

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Document Description

Purpose

This manual is designed to guide users in correctly using the POSHIJI ESL Management System Web Admin Panel, including basic data maintenance, ESL device management, template and resource management, advertising campaigns, and system configuration, helping users efficiently complete daily operations.

Target Audience

- System Administrator: Responsible for overall system configuration, permission assignment, and data integration.
- Store Manager: Responsible for store information, product data, ESL binding, and daily price change operations.

Terminology

Term	Description
LCD ESL	Electronic shelf label using a liquid crystal display, supporting rich media content such as images and videos.
Epd / EPD ESL	Electronic shelf label using electronic paper technology, featuring low power consumption and a paper-like display.
base station	The communication hub for Epd ESLs, responsible for data transmission between the ESLs and the server.
Template	Defines the layout of content displayed on the ESL, including the positions of product name, price, barcode, and other elements.
Resource	Image, video, or other media files used for display on ESLs.

Chapter 1: System Introduction

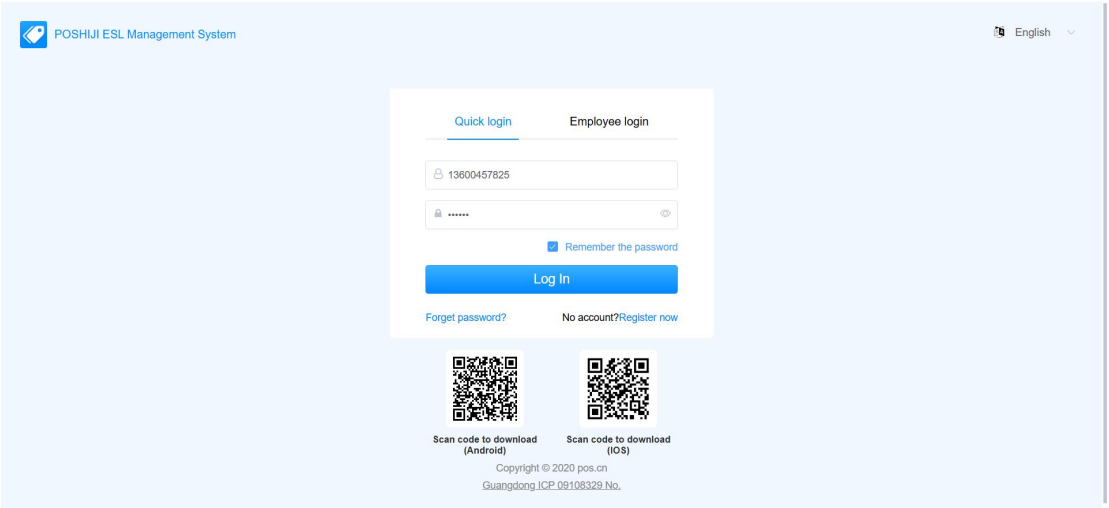
1.1 Logging In

Operation Path: Browser → Access System URL → Enter Credentials → Click "Login"

Steps:

1. Open Chrome or Edge browser, enter the system access URL in the address bar: https://esl.pos.cn/.
2. On the login page, enter the username and password assigned by the administrator.
3. Enter the verification code (if applicable), then click the 【Login】 button.
4. It is recommended to change the initial password upon first login to ensure account security.

Interface Description:



1.2 Homepage Overview

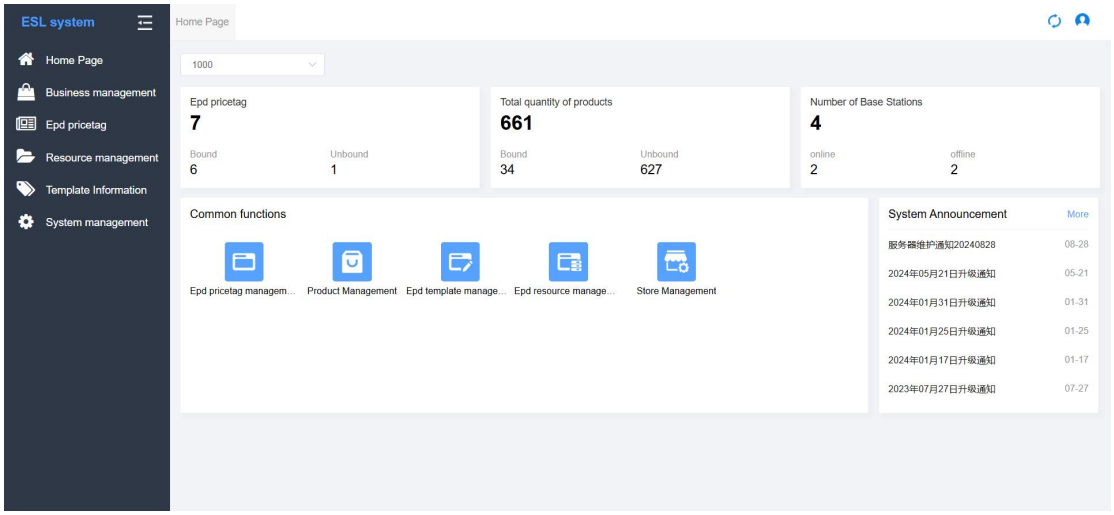
Function Description: After logging in, the homepage dashboard provides a quick overview of the overall operational data of the current store and displays system announcements.

Page Components:

- **Data Dashboard:** Displays the total number of LCD ESLs, Epd ESLs, products, and base stations for the current store. Clicking on some data points will jump to the corresponding management list.
- **Quick Access Shortcuts:** Such as "Add Product", "Bind ESL", "Batch Price Change". Click to navigate directly to the operation page.
- **System Announcements:** Displays the latest notifications and maintenance reminders issued by the administrator.

Instructions:

- If the logged-in account is associated with multiple stores, you can switch stores at the top, and the data dashboard will update accordingly.
- Click the announcement title to view details.



Chapter 2: Business Management

2.1 Store Management

Function Overview: Maintain information for all stores within the chain enterprise, including adding, editing, and deleting stores.

Operation Path: Business Management → Store Management

2.1.1 Add Store

1. Click the 【Add Store】 button.
2. In the pop-up window, fill in:
    - Store Code (unique)
    - Store Name
    - Region (Province/City)
    - Detailed Address
    - Contact Person, Contact Number
3. Click 【Save】 .

2.1.2 Edit Store

1. Find the target store in the store list and click 【Edit】 in the operation column.
2. Modify the information to be changed and click 【Save】 .

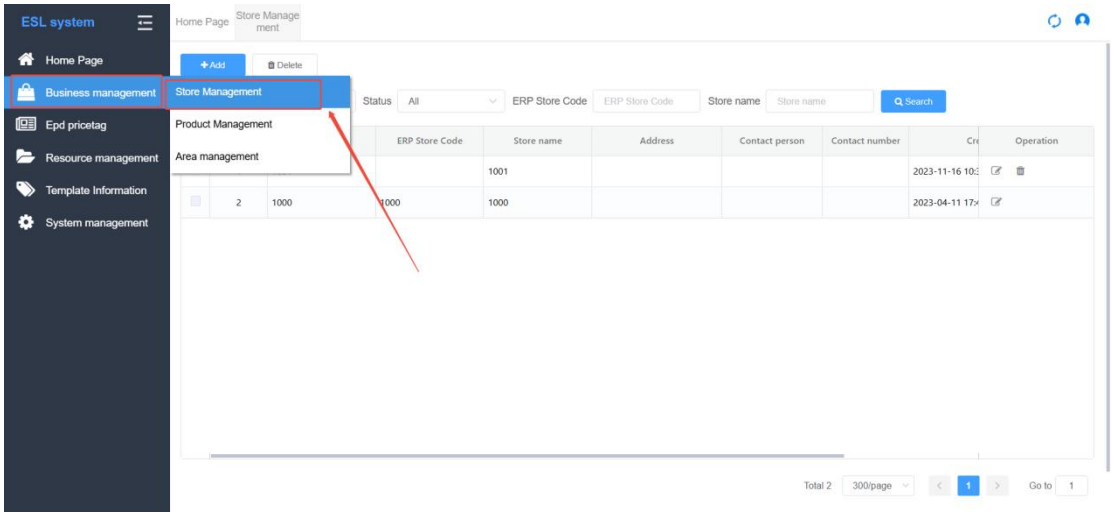
2.1.3 Delete Store

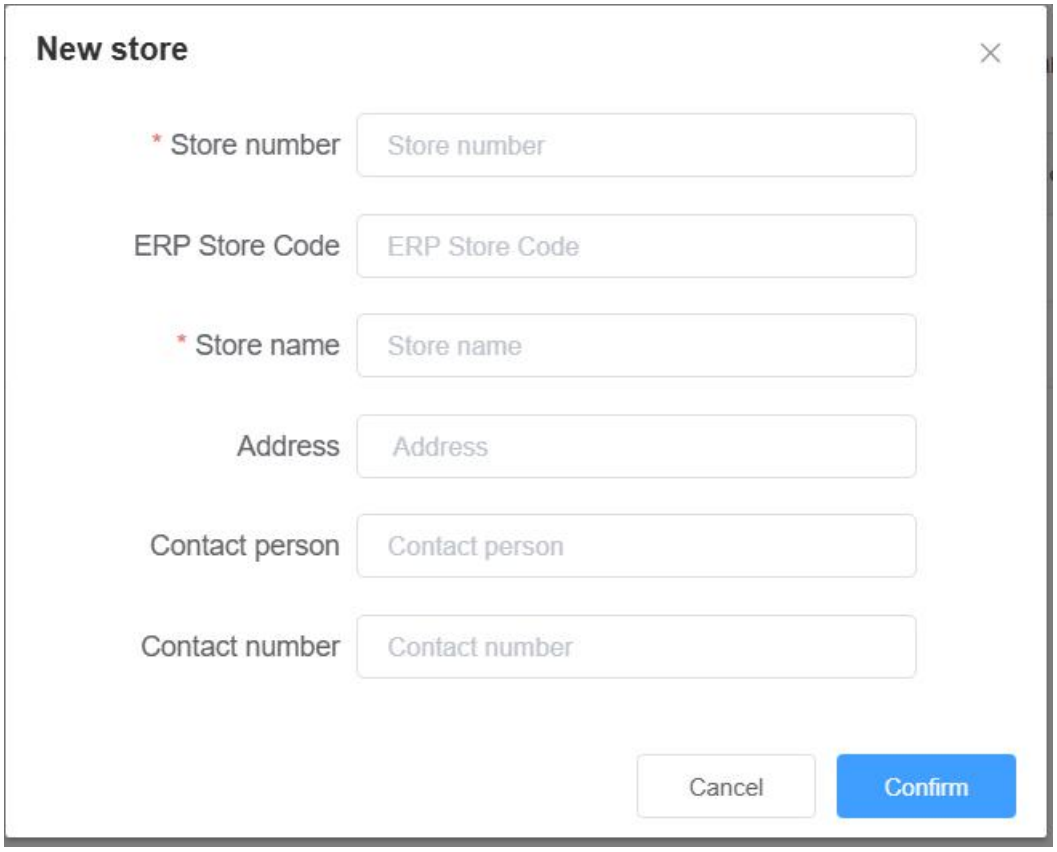
- If the store has associated products or ESLs, the system will prompt that deletion is not possible. Unbinding or data migration is required first.
- After confirmation, click 【Delete】 and confirm again.

List Field Descriptions:

Field	Description
Store Code	Unique system identifier

Field	Description
Store Name	Display name
Contact Person	Store contact person
Contact Number	Contact phone number
Status	Enabled / Disabled





2.2 Area Management

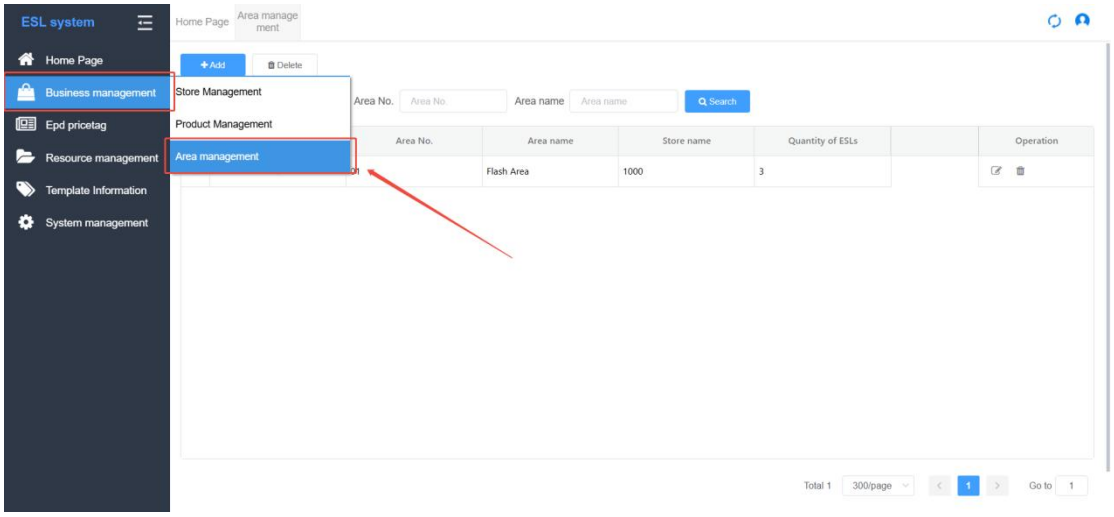
Function Overview: Divide areas within a store (e.g., Fresh Food Section, Beverage Section) for easier ESL and product management by Area.

2.2.1 Add Area

1. Select the store.
2. Click 【Add Area】 , enter the area name (e.g., "Dairy Section") and sort order.
3. After saving, the zone will appear in the store's area tree.

2.2.2 Edit/Delete Area

- Supports modifying the Area name and adjusting the sort order.
- If ESLs are already bound to the Area, they must be moved out of the Area before deletion.





2.3 Product Management

Function Overview: Manage product profiles, supporting single operations and batch import/export, batch price changes, viewing historical price change records, and price restoration.

Operation Path: Business Management → Product Management

2.3.1 Add Product

1. Click 【Add Product】 .
2. Fill in the product information (fields marked with * are required):
    - *Product Name
    - *Product Code
    - Product Barcode (SKU)
    - Product Image
    - Product Video
    - Status
    - Measurement Method
    - Store
    - *Retail Price
    - Member Price
    - Promotional Price
    - Unit (e.g., piece, bottle, bag)
    - Specification
    - QR Code
    - Brand
    - Origin
    - Shelf Life
    - Grade
    - Stock/Quantity
    - Promotion Start Time, Promotion End Time
    - Member Price Start Time, Member Price End Time
    - Pricing Officer, Remarks
    - Reserved Text Fields 1~6
3. Click 【Save】 .

2.3.2 Batch Import Products

1. Click 【Import Product Information】 → Download the Excel template.
2. Fill in the product data according to the template (pay attention to field formats, e.g., prices should retain two decimal places).
3. Upload the file. The system will validate and display the import results (number of successes, failed data, and reasons).

2.3.3 Batch Price Change

1. Check the products to be re-priced in the product list (can filter by store).
2. Click 【Batch Price Change】 .

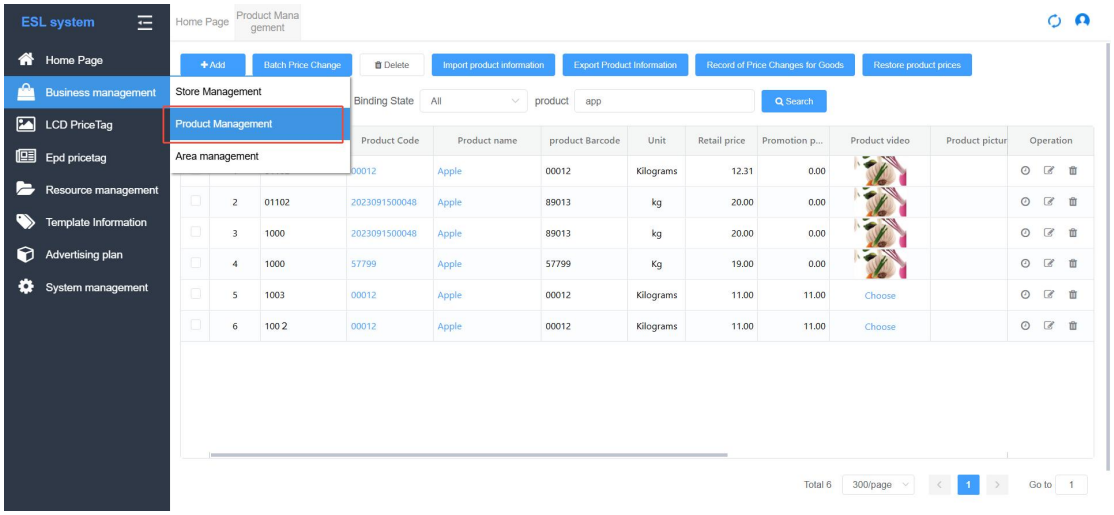
3. Confirm the operation; the system will record the price change in the price change history.

2.3.4 Product History & Price Restoration

- **Product History:** Click "History" for a product to view the change log of that product profile.
- **Product Price Change Records:** View all price change transactions, including operator, operation time, original price, and new price.
- **Price Restoration:** In the price change records within a specific period, click 【Restore Price】 to revert the current price to a historical price.

2.3.5 Batch Export / Delete

- **Batch Export:** Supports exporting the product list to Excel after filtering by conditions.
- **Batch Delete:** Check products and click 【Batch Delete】 . Only products not bound to any ESL can be deleted.



Chapter 3: LCD ESL Management

3.1 ESL Management

Function Overview: Manage LCD ESL devices, supporting single/batch binding, unbinding, template switching, deletion, and other operations.

Operation Path: LCD ESL → ESL Management

3.1.1 ESL List

- Displays all LCD ESLs. Supports filtering by store, zone, status (Online/Offline/Bound/Unbound), ESL template, template product count, product, binding status, and network status.
- Key fields: ESL ID, Serial Number, Model, Bound Product, Template Name, Status, Firmware Version, Last Online Time.

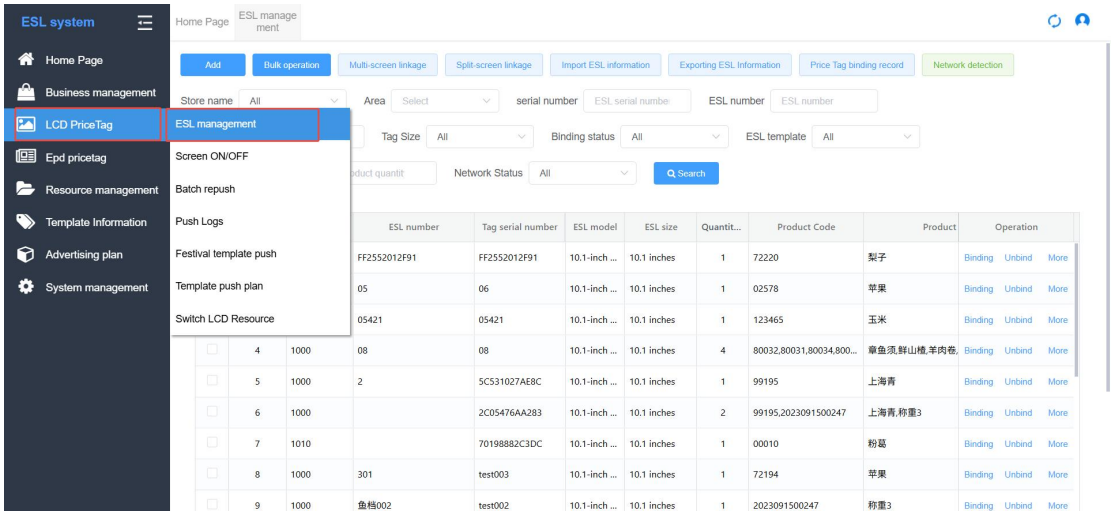
3.1.2 Single Bind/Unbind

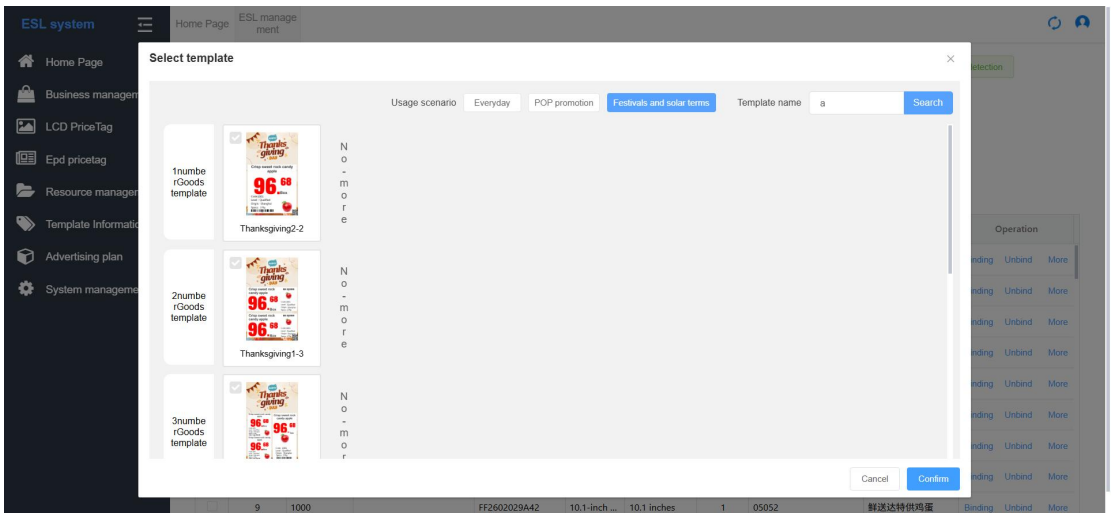
1. Find the target ESL in the list and click 【Bind】 .
2. Select a template from the template interface.

3. In the product selection pop-up, search for the product (by name/barcode) and confirm to complete the binding.
4. After successful binding, the ESL status changes to "Bound", and the system automatically pushes the product data to the ESL.
5. To unbind, click 【Unbind】 , confirm to remove the association with the product.

3.1.3 Batch Operations

- **Batch Bind:** Check multiple ESLs → Click 【Batch Bind】 → Select a template → Select products (multiple selections allowed). The system will match ESLs to products in order or one-to-one.
- **Batch Unbind:** Check bound ESLs → Click 【Batch Unbind】 .
- **Batch Switch Template:** Check ESLs → Select the target template → Execute the switch.
- **Batch Delete:** Check ESLs → Delete (only allowed for ESLs that are unbound or offline).





3.2 Screen On/Off Scheduling

Function Overview: Set timed screen on/off schedules for LCD ESLs, with temporary control options.

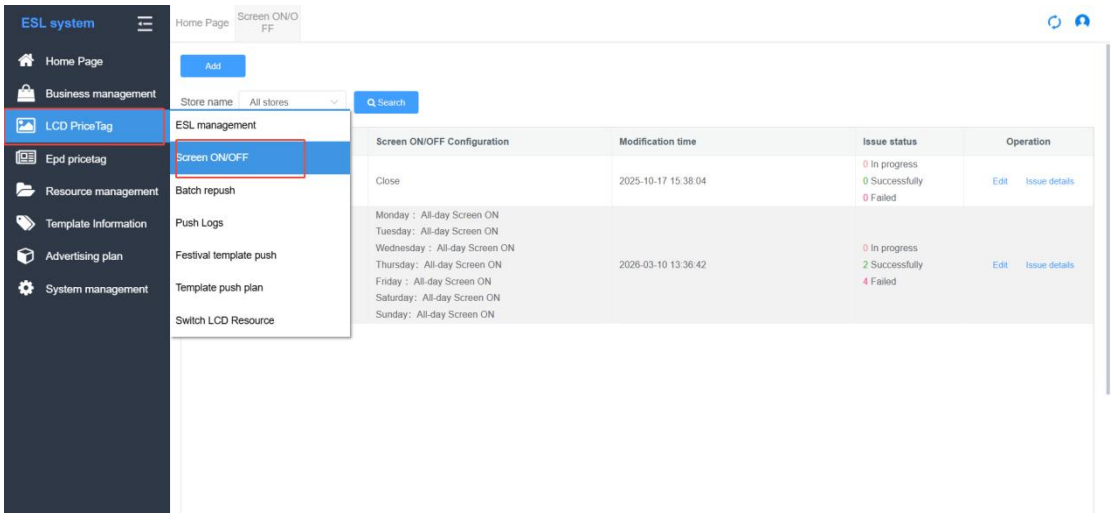
Operation Path: LCD ESL → Screen On/Off Scheduling

3.2.1 Scheduled Strategy

1. Click 【Add Strategy】 .
2. Select the applicable store (global or specific store).
3. Set the screen-on time (e.g., 08:00) and screen-off time (e.g., 22:00).
4. Select the repeat cycle (Daily, Weekdays, Weekends, etc.).
5. After saving, the system will issue commands on schedule.

3.2.2 Disable Control

- Turn off the setting in the screen on/off configuration to execute immediately.



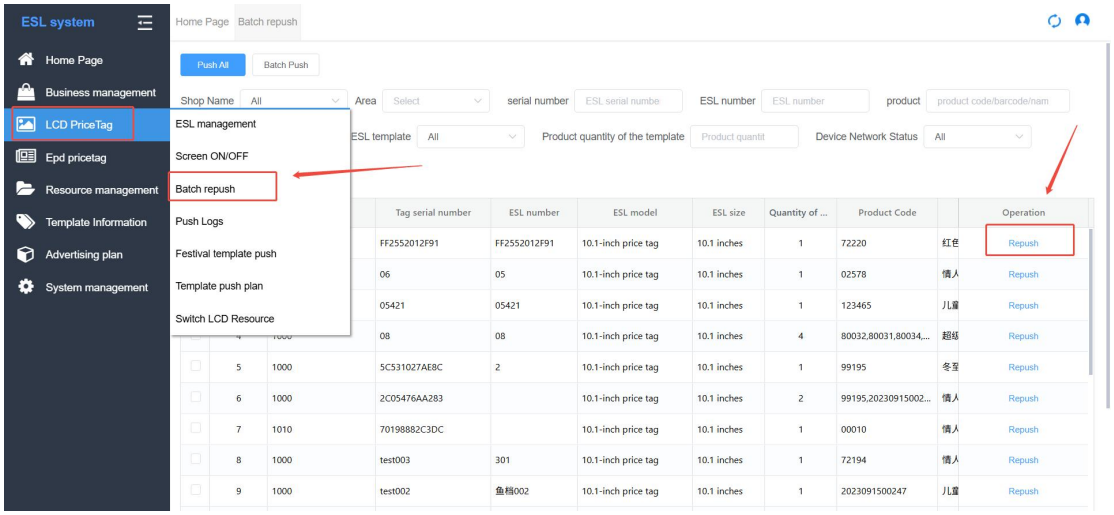
3.3 Batch Re-push

Function Overview: Manually re-push product information or templates in batches when some ESL data fails to update correctly.

Operation Path: LCD ESL → Batch Re-push

Steps：

1. Filter the ESLs that need re-pushing (supports filtering by store, area, binding status, template, etc.).
2. Click 【Batch Re-push】 .
3. Confirm; the system will create a re-push task. The execution results can be viewed in the "Push Log".



3.4 Push Log

Function Overview: Record all operations that push data to LCD ESLs for tracking and troubleshooting.

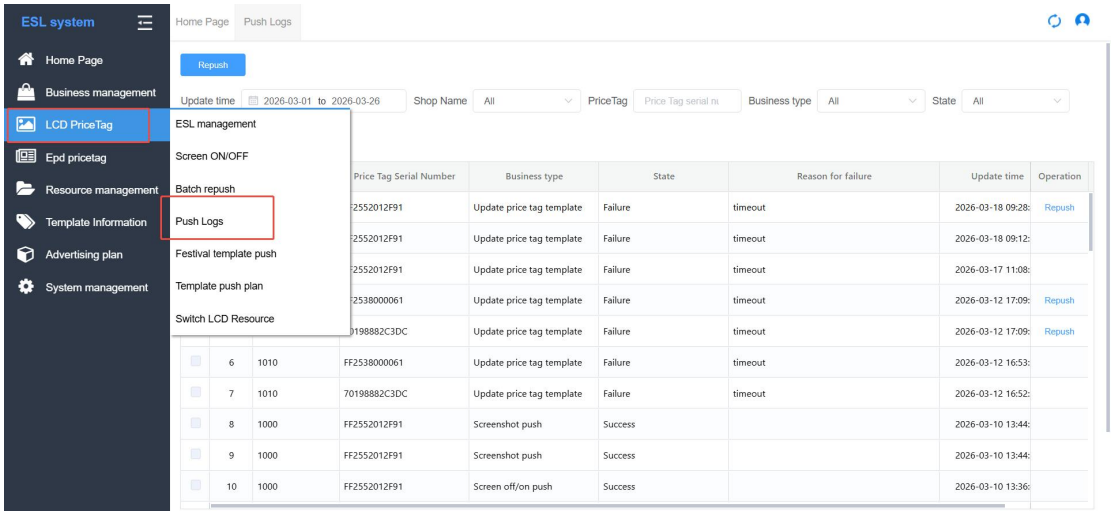
Operation Path: LCD ESL → Push Log

Search Criteria:

- Time Range
- ESL Serial Number
- Operation Type (Update ESL Template, Network Detection, Screenshot Push, Screen On/Off Push)
- Execution Status (In Progress / Success / Failed)

Log Details:

- Store Name, ESL Serial Number, Push Time, Operator, Business Type, Failure Reason (e.g., ESL offline, timeout).



3.5 Holiday Template Push & Template Push Schedule

Function Overview: Automatically switch ESL templates on a schedule for holiday marketing or daily segmented display.

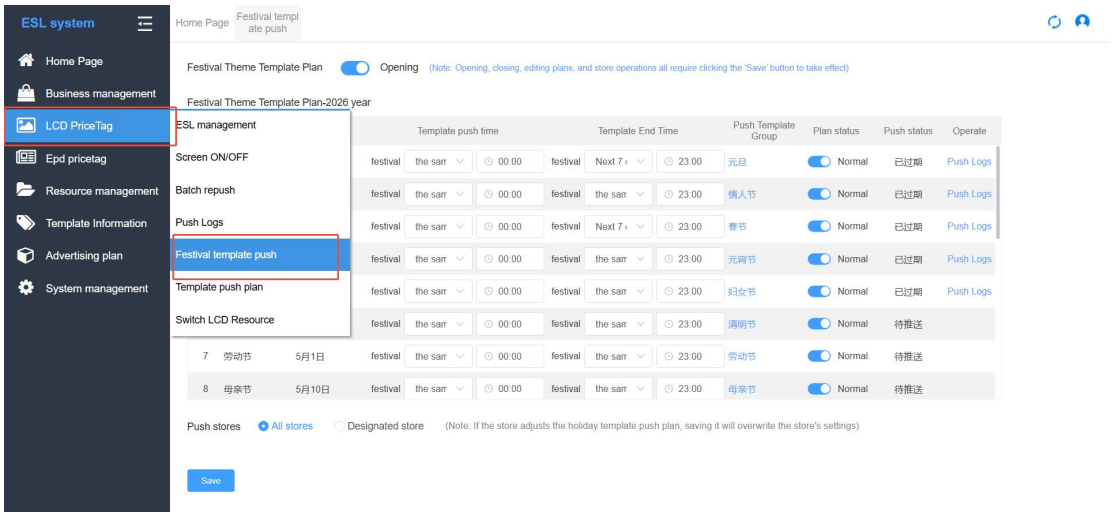
Operation Path: LCD ESL → Holiday Template Push / Template Push Schedule

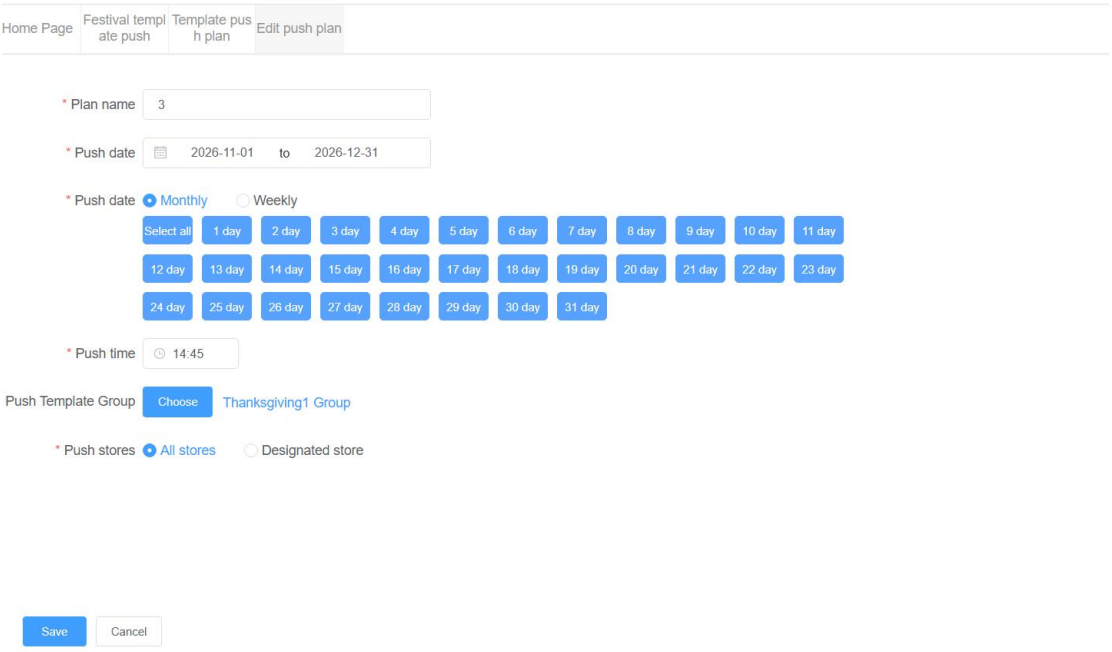
3.5.1 Holiday Template Push

1. Click 【Add Holiday Plan】 .
2. Fill in the plan name and select the holiday template (must be created in template management in advance).
3. Set the effective time period (e.g., Jan 20, 2026 – Feb 5, 2026).
4. Select the applicable store or ESL range.
5. After enabling, the system will automatically push the template during the specified period and revert to the original template after the period ends.

3.5.2 Template Push Schedule

- Supports more flexible scheduled tasks, such as "Push promotional template every Friday at 18:00" or "Push daily template every day at 10:00".
- The operation is similar to the holiday template push, with settable repeat cycles.





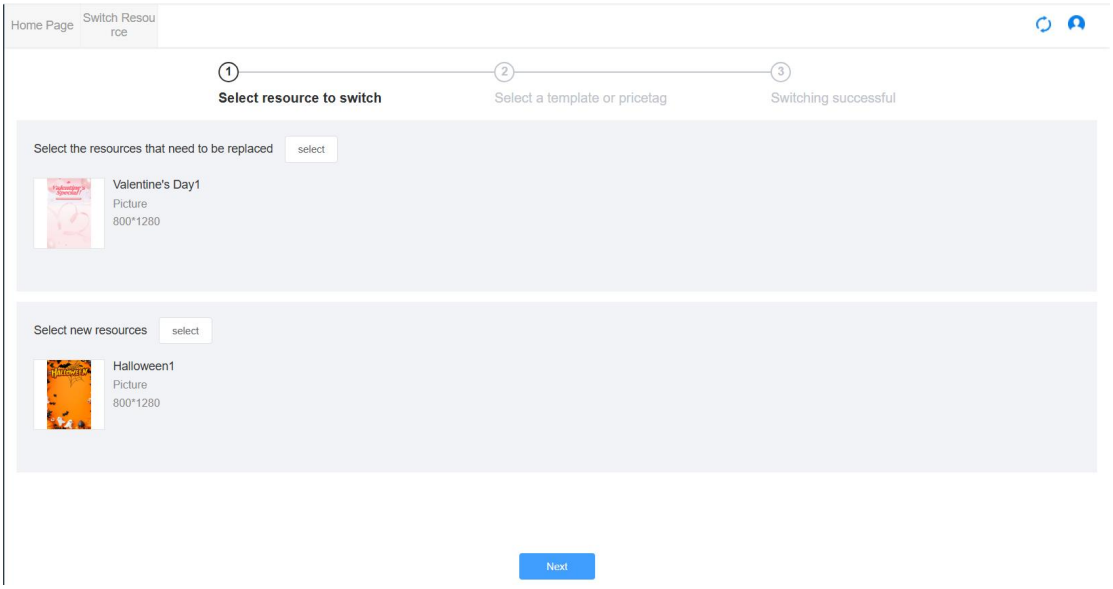
3.6 Switch LCD Resources

Function Overview: Batch switch the images or videos displayed on LCD ESLs, suitable for advertising content updates.

Operation Path: LCD ESL → Switch LCD Resources

Steps：

1. Select the resource source (choose an uploaded image/video from the resource library).
2. Filter the target ESLs (supports filtering by store, zone, template group, etc.).
3. Click 【Preview】 to confirm the display effect of the resource on the ESL (simulation).
4. Execute the switch; the system pushes the resource to the ESLs.



Chapter 4: Epd ESL Management

4.1 Store Base Station

Function Overview: Manage the communication base stations for Epd ESLs, including base station information maintenance and network status detection.

Operation Path: Epd ESL → Store base station

4.1.1 AddBase Station

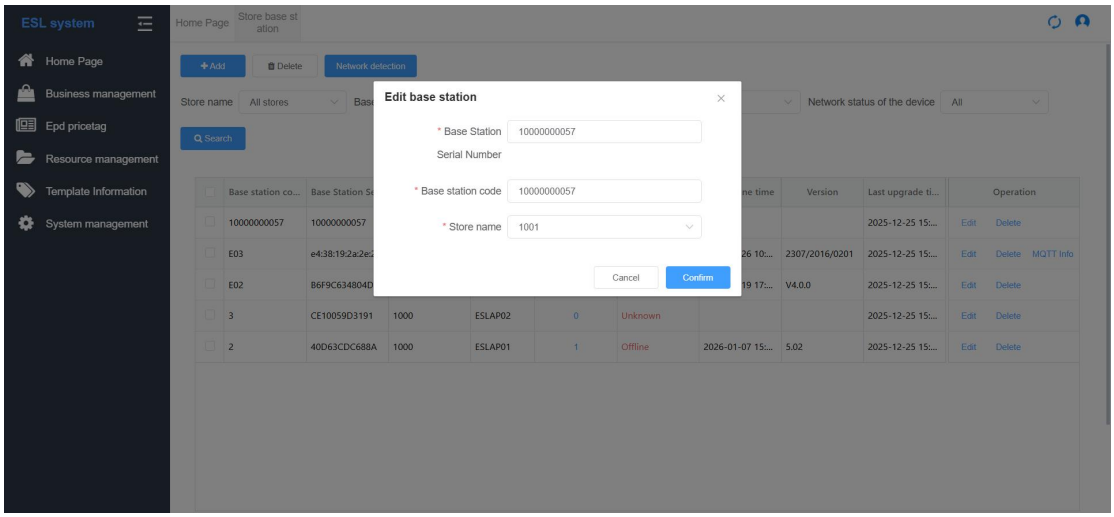
1. Click 【Add】 .
2. Enter Base Station Code, Base Station MAC Address, and the store.
3. After saving, the Base Station will appear in the list with a status of "Offline" until the first connection is made.

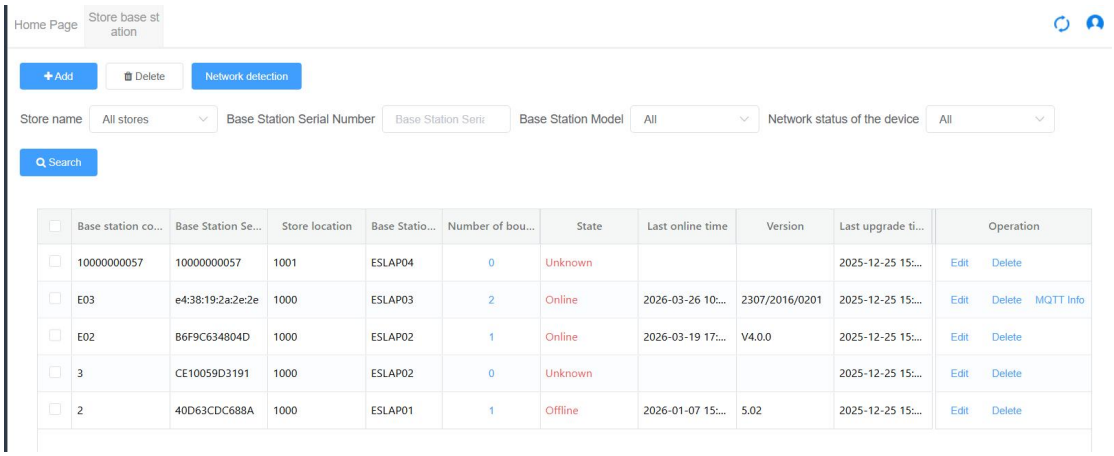
4.1.2 Edit/Delete Base Station

- Supports modifying base station information. Ensure no ESLs are bound to the base station before deletion.

4.1.3 Network Detection

- The list displays Base Station status (Online/Offline) and signal strength (RSSI) in real-time.





4.2 Epd ESL Management

Function Overview: Manage Epd ESLs, supporting product binding, Base Stationbinding, and batch template switching.

Operation Path: Epd ESL → Epd ESL Management

4.2.1 ESL List

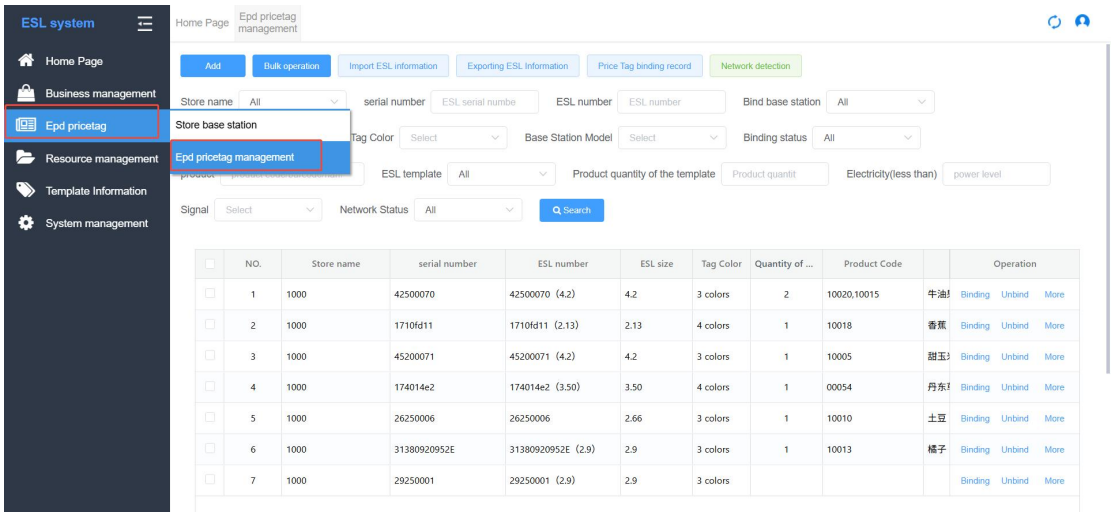
- Displays all Epd ESLs. Supports filtering by store, zone, Base Station, and status.
- Key fields: ESL ID, MAC, Name, Bound Product, Bound Base Station, Template, Battery Level, Status.

4.2.2 Single Operations

- **Bind Product:** Click 【Bind】 , select a product.
- **Bind base station:** Click 【Bind】 , select the target Base Station to assign the ESL to its coverage area.
- **Unbind:** Remove the association with the product or Base Station.

4.2.3 Batch Operations

- Batch Bind/Unbind Products: Check ESLs and execute, commonly used when putting a batch of new products on shelves.
- Batch Switch Template: Check ESLs → Select the Epd template → Execute.
- Batch Bind/Unbind base station: Batch assign ESLs to a specified Base Station.



Chapter 5: Resource & Template Management

5.1 Resource Management

Function Overview: Upload and manage images, videos, and other media used for ESL display.

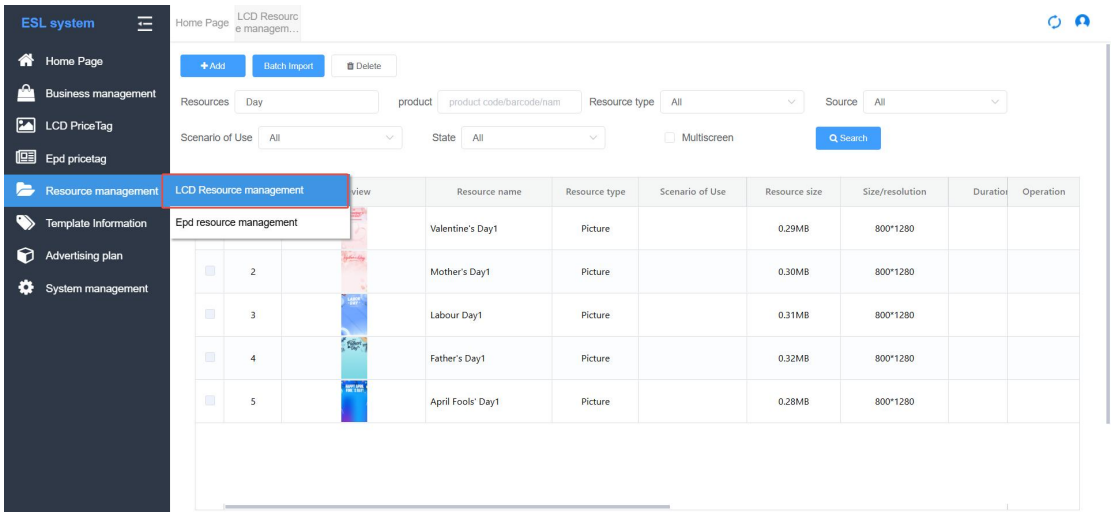
Operation Path: Resource Management → LCD Resource Management / Epd Resource Management

5.1.1 Upload Resource

1. Click 【Upload】 .
2. Select the file (LCD supports jpg/png/mp4; Epd supports images with specific resolutions).
3. Fill in the resource name and category tags.
4. After successful upload, the resource can be previewed in the list.

5.1.2 Resource Management

- Supports editing names, deletion, and filtering by category.
- Can view which products are referencing the resource.



5.2 Template Management

Function Overview: Define the display layout of ESLs, including text positions, font sizes, and resource references.

Operation Path: Template Information → LCD Template Management / LCD Template Group Management / Epd Template Management

5.2.1 LCD Template Management

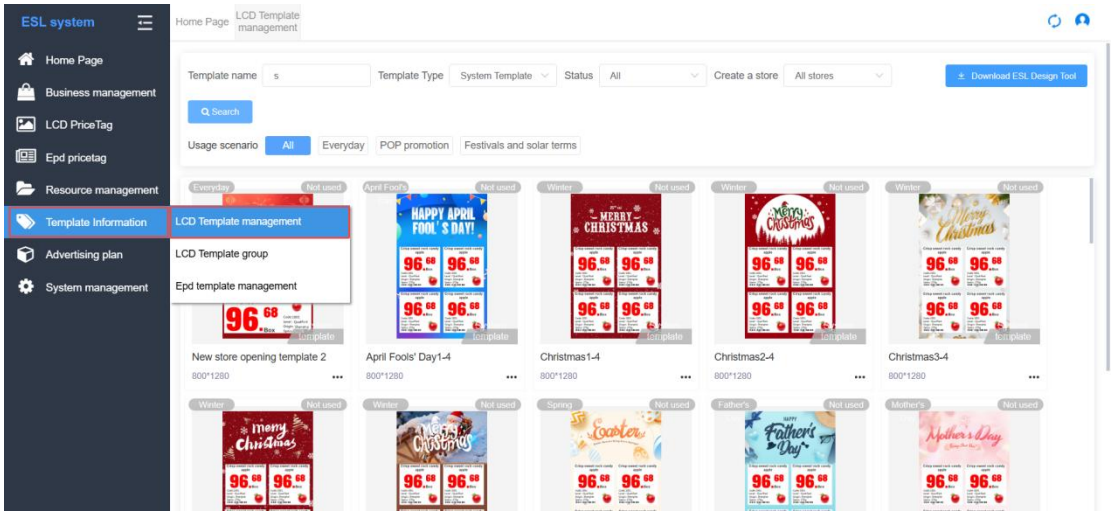
- **Add Template:** Download “ESL Design tool”, Set the template name and resolution. Design the layout using drag-and-drop (product name, price, barcode, image area, etc.).
- **Edit/Delete:** Templates currently in use by ESLs cannot be deleted; switch to another template first.

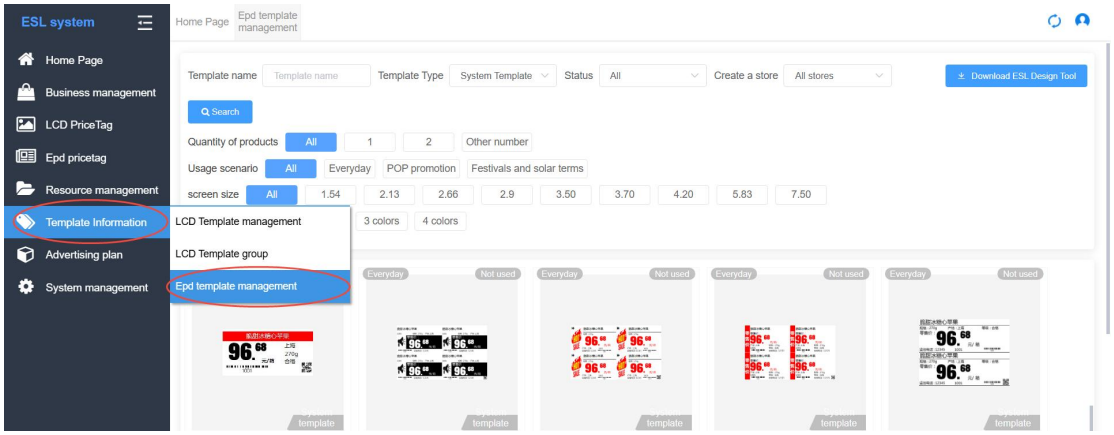
5.2.2 LCD Template Group Management

- Bundle multiple templates into a group for batch switching to display different numbers of product items (e.g., a template displaying 3 products).

5.2.3 Epd Template Management

- Epd template design should consider the limitations of black/white/three-color/four-color displays and support different Epd screen sizes, etc.





Chapter 6: Advertising Campaign

6.1 Media Management

Function Overview: Centrally manage advertising materials, similar to Resource Management but focused on marketing content.

Operation Path: Advertising Campaign → Media Management

Instructions：

- Upload images, videos, and other advertising materials.
- Supports tagging (e.g., "Summer Sale", "New Arrival") for easy recall in advertising campaigns.

6.2 Advertising Campaign

Function Overview: Create advertising plans, specifying the target devices, schedule, and playback strategy.

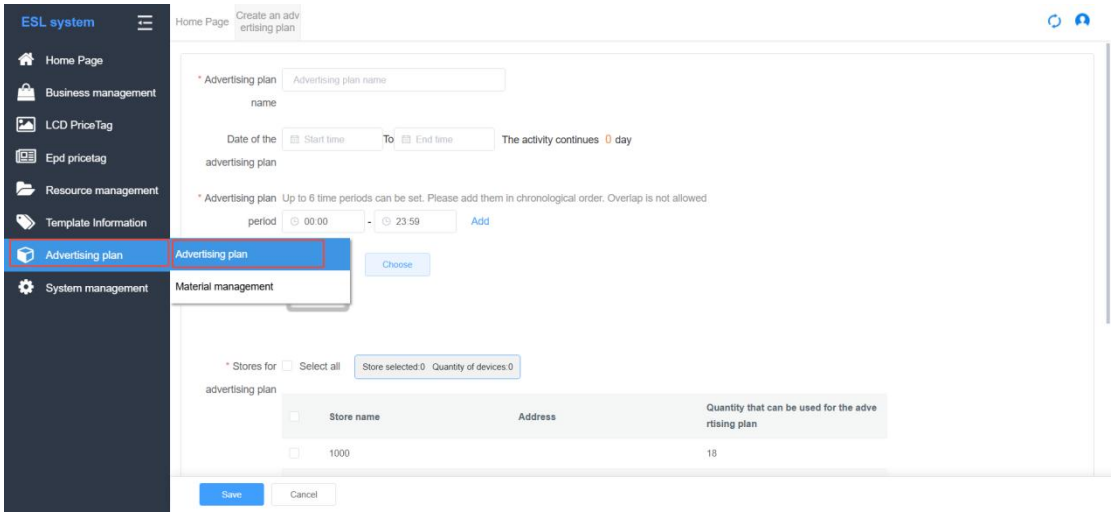
Operation Path: Advertising Campaign → Advertising Campaign

6.2.1 Create Campaign

1. Click 【Add Advertising Campaign】 .
2. Fill in the campaign name and select the device type (LCD ESL / Epd ESL).
3. Select the target range (by store, zone, or specific ESLs).
4. Select the media to display (supports multiple media in a loop).
5. Set the playback strategy:
    - Playback Order (Sequential / Random)
    - Duration per Media (seconds)
    - Loop Count or Infinite Loop
6. Set the effective time period (Start Time ~ End Time).
7. Save and enable the campaign.

6.2.2 Campaign Management

- Supports enabling/disabling, editing, and deleting.
- Can view the campaign status and the number of devices targeted.



Chapter 7: System Management

7.1 Role Management

Function Overview: Create different roles and assign menu permissions and operation permissions.

Operation Path: System Management → Role Management

Steps：

1. Click 【Add Role】 , enter the role name (e.g., "Store Staff").
2. In the permission tree, check the menus that this role is allowed to access (e.g., only product management and ESL viewing, not system settings).
3. After saving, assign users to this role to control their permissions.

7.2 User Management

Function Overview: Manage system login accounts, assign associated stores and roles.

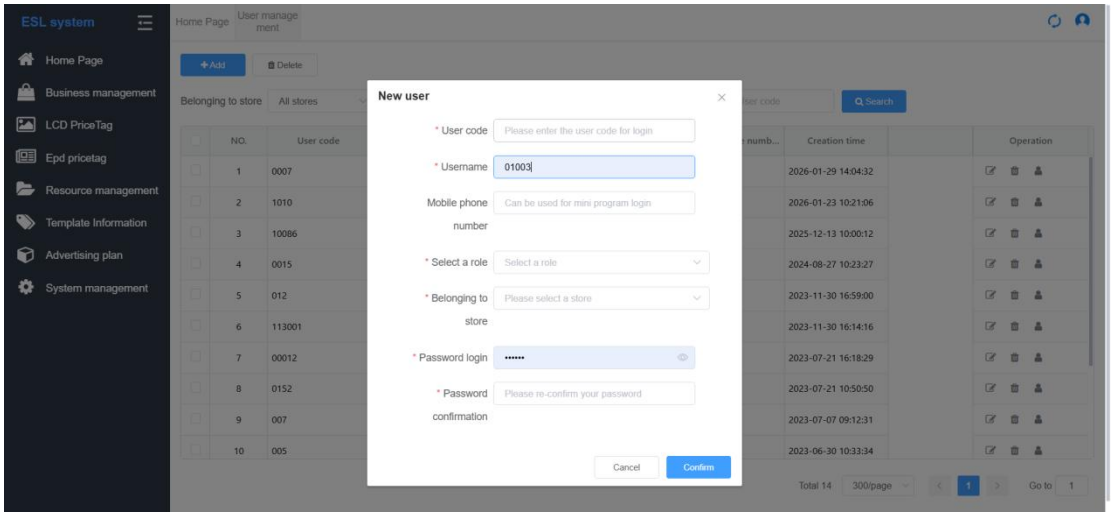
Operation Path: System Management → User Management

7.2.1 Add User

1. Click 【Add User】 .
2. Fill in the username, name, phone number, and password.
3. Select the associated store(s) (multiple stores allowed).
4. Assign a role (select from the role list).
5. Set the status (Enabled / Disabled).
6. After saving, the user can log in.

7.2.2 Edit/Disable User

- Supports password reset, modifying information, and disabling accounts (disabled accounts cannot log in).



7.3 Parameter Settings

Function Overview: Configure system global parameters, such as ESL data synchronization frequency and default templates.

Operation Path: System Management → Parameter Settings

Common Parameters:

Parameter Name	Description
ESL Type	10.1" LCD ESL / Epd ESL / Both

Parameter Name	Description
Product Unit	Product unit, e.g., KG (kilogram), Jin (500g)
ESL Display Unit	Unit displayed on the ESL
Store Parameters	Control whether the store syncs third-party prices and other product information (unit, specification, shelf life, origin, grade, brand, QR code)

7.4 Operation Log

Function Overview: Record all user operations in the admin panel for auditing and traceability.

Operation Path: System Management → Operation Log
Query :

- Can filter by operator, operation time, operation module (Product Management, ESL Management, etc.), and operation type (Add, Edit, Delete, Batch, etc.).

Log Content Example:

Operation Time	Operator	Module	Type	Details	Source
2026-03-26 10:15	admin	Product Management	Batch Price Change	50 products, 5% price reduction	Admin Panel

7.5 Software Integration

Function Overview: Integrate with the Kemai Yunfan backend to automatically sync product data.
Operation Path: System Management → Software Integration
Configuration Steps:

1. On the integration configuration page, fill in the API URL, AppKey, and Secret provided by Kemai Yunfan.
2. Click 【Test Connection】 to verify network and authentication.
3. Set the sync strategy:
4. Automatic Sync: Pull product data at fixed intervals.
5. Manual Sync: Click 【Sync Now】 to trigger a one-time data sync.
6. View Sync Logs: Records the number of products synced each time, the number of successes/failures, and the reasons for failures.

Appendix

Appendix A: Frequently Asked Questions and Solutions

Issue	Possible Cause	Solution
ESL cannot be bound	ESL not powered on, ESL not connected to network, ESL not registered, ESL already bound elsewhere	Check ESL power, check ESL network. Verify MAC address; unbind in the original system or contact administrator.
Batch operation partially fails	Some ESLs are offline or have data anomalies	Check failure details, retry for offline ESLs.
Epd ESL refresh is slow	Weak base station signal or network latency	Check base station status, ensure communication between ESL and base station is normal.

POSHIJI ESL Management System App Operation Manual

Document Version: V1.0
Release Date: March 2026
Applicable System: Android / iOS
Target Audience: Store Operator, Store Staff

Document Description

Purpose

This manual is designed to guide store operators in using the POSHIJIESL Management System mobile App to perform daily operations such as product management, ESL binding/unbinding, template switching, Base Station management, and WiFi configuration.

Target Audience

- **Store Staff:**Responsible for on-site product shelving, ESL binding, and price changes.
- **Store Manager:**Responsible for store device management, user management, and system configuration.

Terminology

Term	Description
LCD ESL	Electronic shelf label using a liquid crystal display, supporting images and video playback.
EPD / EPD ESL	Electronic shelf label using electronic paper technology, featuring low power consumption and a paper-like display.
Base Station	The communication hub for EPD ESLs, responsible for data transmission between the ESLs and the server.
Template	Defines the layout of content displayed on the ESL.

Multi-screen Sync	Multiple ESLs spliced together to form a larger screen, playing the same video simultaneously.
Split-screen Sync	Multiple ESLs work together to display different content, collectively forming a complete visual.
MQTT	A lightweight messaging protocol used for communication between ESLs and the backend.

Chapter 1: Download and Installation

1.1 Android Download

Method 1: App Store Download

- Open an app store on your phone (e.g., Huawei AppGallery, Xiaomi GetApps, Tencent MyApp).
- Search for "POSHIJIESL Management System" or "ESL Manager".
- Locate the app and tap【**Install**】.

Method 2: Official Website QR Code Download

- Use your phone's browser to scan the QR code below to enter the download page.
- Tap【**Android Version Download**】to download the APK installation package.
- Once downloaded, open the APK file and follow the prompts to complete the installation.

(Android)

1.2 iOS Download

Method 1: App Store Download

- Open the App Store.
- Search for "POSHIJIESL Management System" or "ESL Manager".
- Locate the app and tap【**Get**】or【**Download**】, then follow the prompts to complete the installation (Apple ID password or Face ID may be required).

Method 2: QR Code Download

- Use your phone's camera or WeChat to scan the QR code below to go to the App Store download page.
- Tap【**Get**】to complete the installation.

(iOS)

1.3 First Launch After Installation

Permission Authorization

When you open the App for the first time, the system will request the following permissions. Please allow them; otherwise, some functions may not work:

- **Bluetooth Permission:**Used to search for nearby ESLs and configure WiFi.
- **Location Permission:**Android requires location permission to scan Bluetooth devices (recommended to select "While Using the App").
- **Camera Permission:**Used to scan ESL serial number QR codes for quick binding/unbinding.
- **Notification Permission:**Used to receive push task results (optional).

Important Notes

- If you installed the APK from the official website on Android, the first launch may prompt "Install from unknown source". Please tap "Install anyway" or "Allow".
- Some Android phones may require manually enabling "Allow installation from unknown sources" in Settings.

Chapter 2: Registration and Login

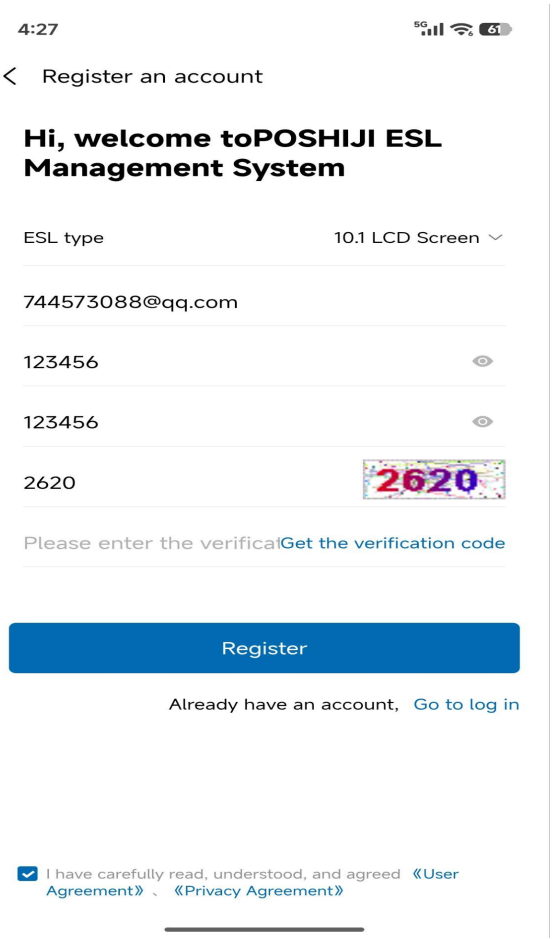
2.1 Register Account

Operation Path: App Start Page → Register

Steps:

1. Open the App and tap the【**Register**】button.
2. Enter your mobile phone number / email address, then tap【**Get Verification Code**】.
3. Enter the SMS/email verification code you received.
4. Set a login password (recommended to contain letters and numbers, 6–20 characters).

5. Confirm the password and tap【**Register**】to complete.

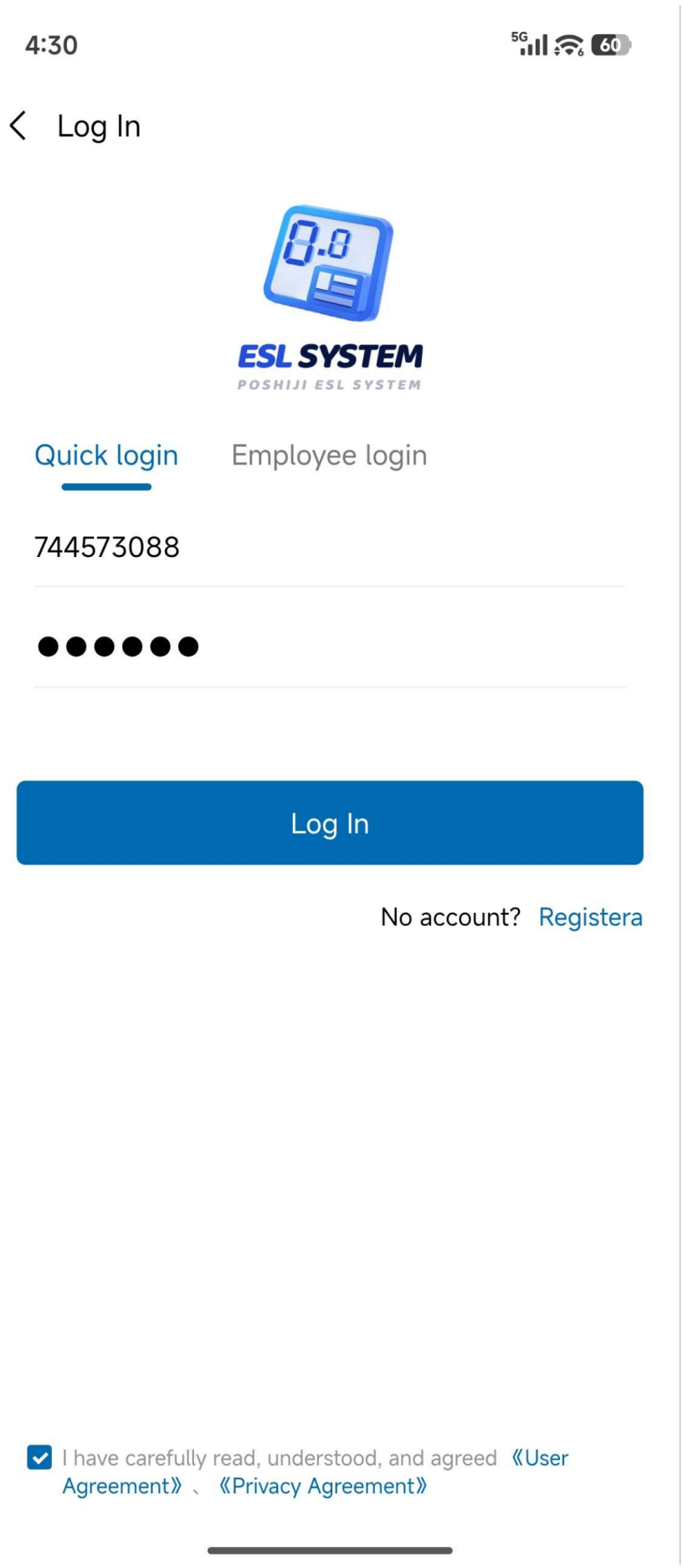


2.2 Login with Password

Operation Path: App Start Page → Enter credentials → Login

Steps:

1. Enter the registered mobile number/email or username.
2. Enter the password.
3. Tap the【**Login**】button.


4:30
Log In
ESL SYSTEM
POSHIJI ESL SYSTEM
Quick login
Employee login
744573088
Log In
No account? Registera
I have carefully read, understood, and agreed 《User Agreement》、《Privacy Agreement》

2.3 Forgot Password

Operation Path: Login Page → Forgot Password

Steps:

1. Tap【**Forgot Password**】.
2. Enter the registered mobile number/email and request a verification code.
3. Enter the new password and confirm.
4. Tap【**Confirm**】. After completion, return to the login page and log in with the new password.

Chapter 3: Home Page

3.1 Home Page Overview

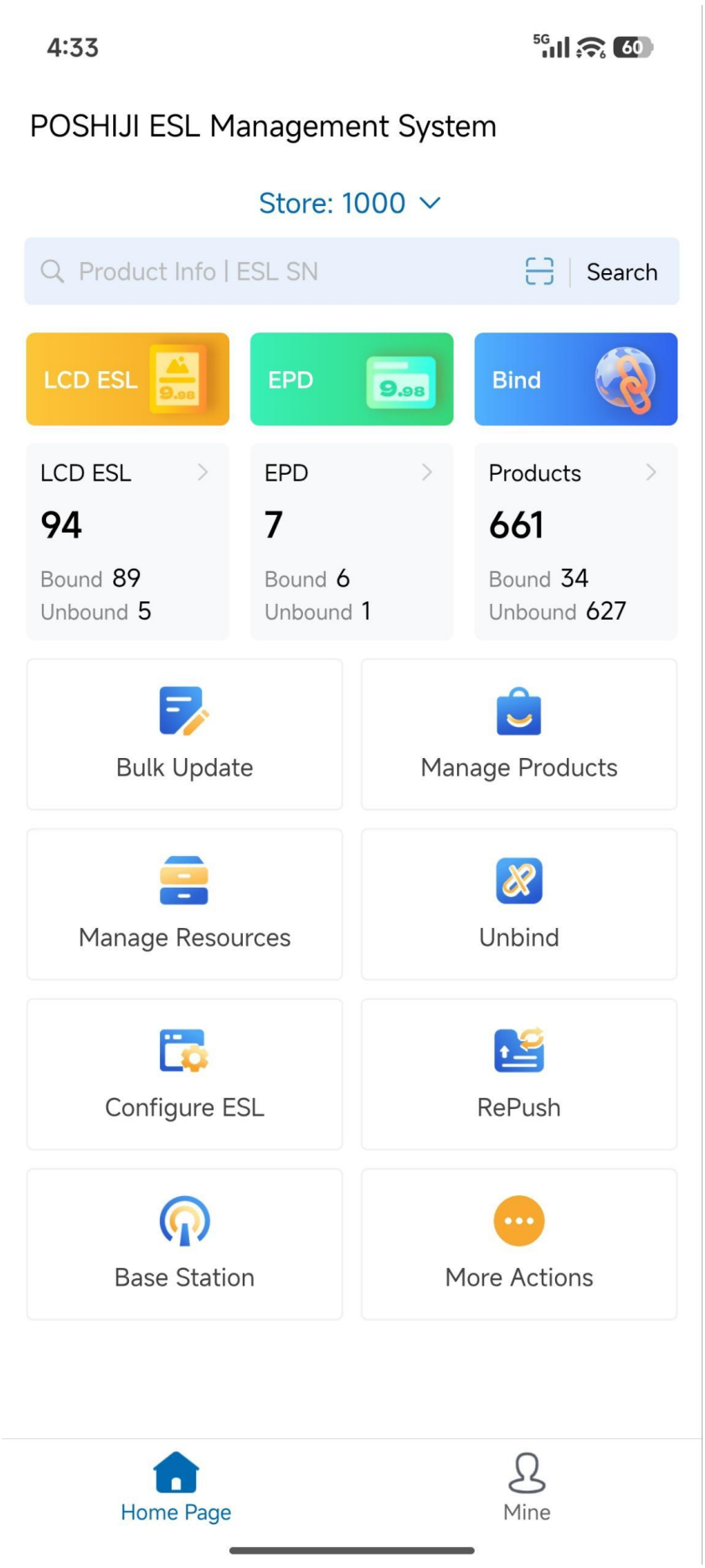
Function Description: After logging in, the home page displays key data statistics and quick access shortcuts.

Page Components:

- **Main Search Box:**Supports quick search by product name, product code, ESL serial number, etc.
- **Data Cards:**
  - LCD ESL: Displays number bound / number unbound
  - EPD ESL: Displays number bound / number unbound
  - Product Management: Displays total products / bound / unbound
- **Quick Action Buttons:**
  - Bind
  - Batch Price Change
  - Resource Management
  - Unbind
  - Configure ESL
  - Re-push
  - Base Station Management
  - More Functions (tap to expand other functions)

Instructions:

- Tap a data card to jump to the corresponding management list.
- Tap a quick action button to directly enter the corresponding operation page.


4:33
POSHIJI ESL Management System
Store: 1000
Product Info | ESL SN
Search
LCD ESL
EPD
Bind
LCD ESL
94
Bound 89
Unbound 5
EPD
7
Bound 6
Unbound 1
Products
661
Bound 34
Unbound 627
Bulk Update
Manage Products
Manage Resources
Unbind
Configure ESL
RePush
Base Station
More Actions
Home Page
Mine

Chapter 4: Product Management

4.1 Product List

Operation Path: Home → Product Management → Products

Function Description: View all products in the current store; supports adding, searching, deleting, and viewing details.

4.1.1 Search Products

- Enter a product name or barcode in the search box at the top of the list, then tap search.
- Supports scanning barcodes or QR codes with the phone.

4.1.2 Add Product

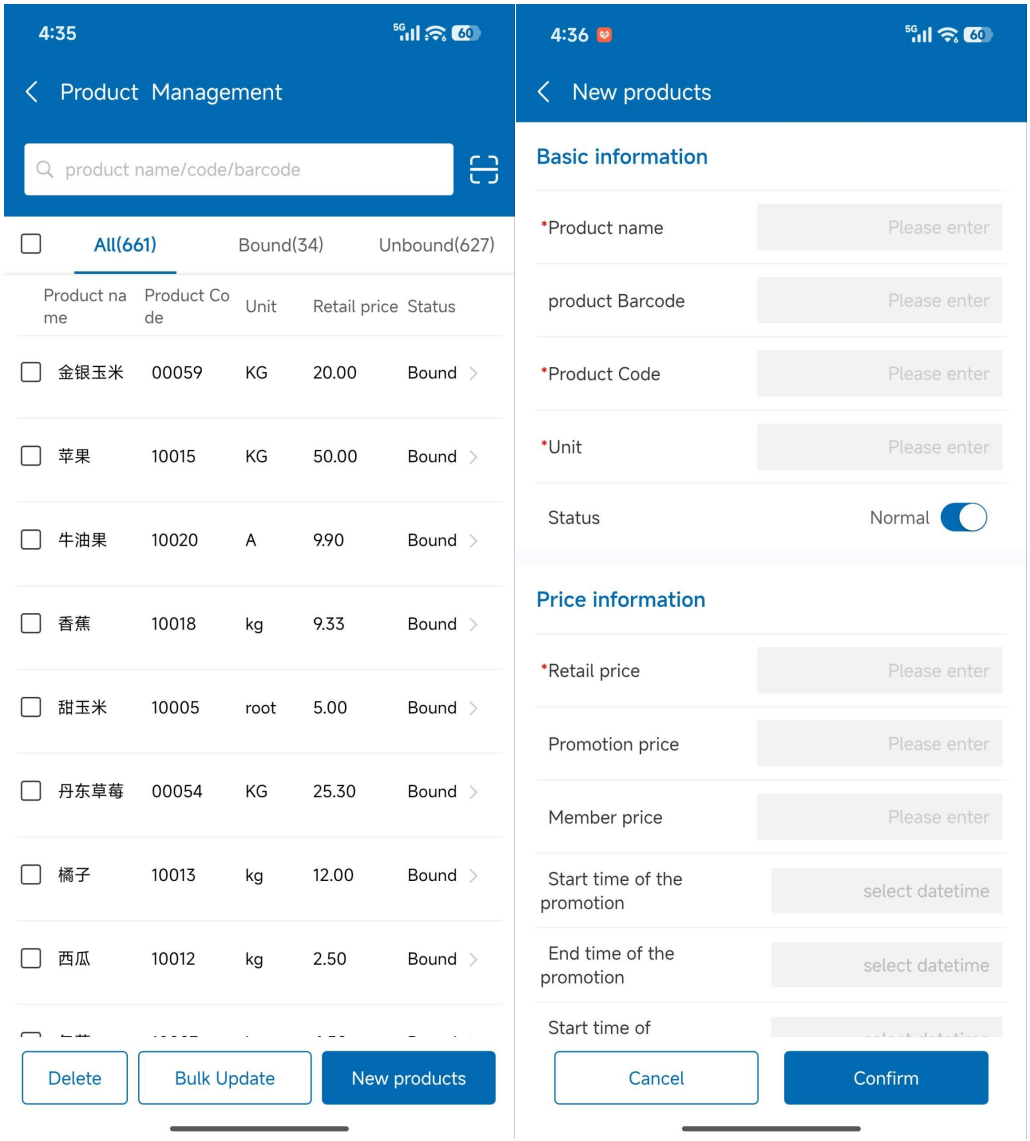
1. Tap the【**Add Product**】button.
2. Fill in product information:
    - Product Name (required)
    - Product Code / Barcode
    - Measurement Method
    - Retail Price (required)
    - Member Price, Promotional Price (optional)
    - Promotion Start/End Time
    - Unit, Specification
    - Product Image (optional)
    - Product Video
    - Shelf Life, Origin, Grade, Brand
    - Reserved Text Fields 1–6
3. Tap【**Save**】to add the product.

4.1.3 View Product Details

- Tap any product in the list to enter the details page.
- The details page shows complete product information and the list of bound ESLs.

4.1.4 Delete Product

- Select the product by checking the box on the left, then choose【**Delete**】.
- Confirm deletion (only products not bound to any ESL can be deleted).



4.2 Bind/Unbind ESL

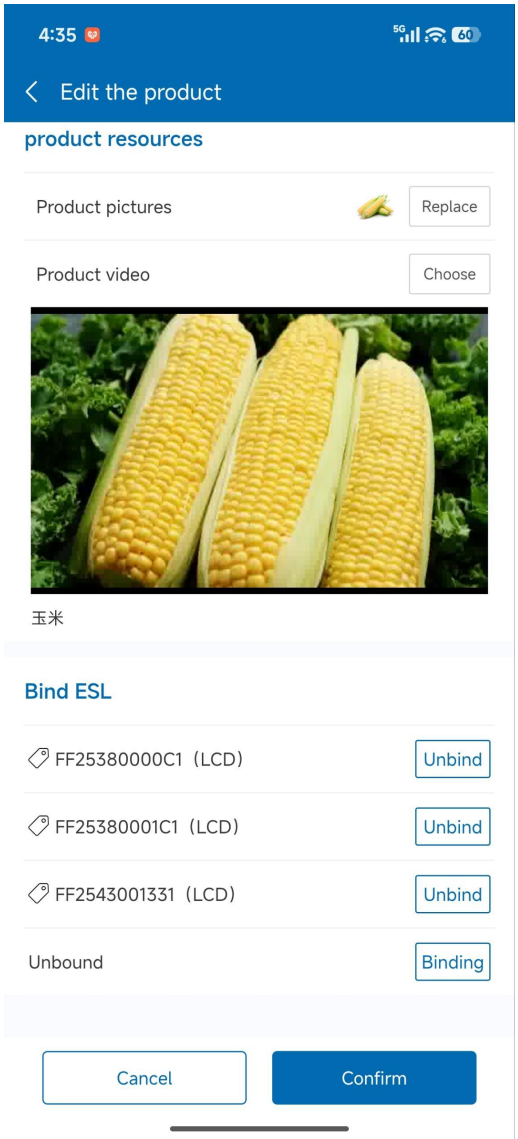
Operation Path: Product Details Page → Bind / Unbind

4.2.1 Bind ESL

1. On the product details page, tap【**Bind ESL**】and select LCD or EPD ESL.
2. On the bind ESL screen, you can:
   - **Scan to Bind:**Scan the ESL QR code or barcode.
   - **Manual Selection:**Manually enter the ESL ID or serial number.
3. Select a template (LCD or EPD templates are automatically filtered based on the ESL type).
4. Tap【**Confirm Bind**】; the system pushes product data to the ESL.

4.2.2 Unbind ESL

1. On the product details page, in the “Bound ESLs” section, view the currently bound ESLs.
2. Tap the【**Unbind**】button, confirm to remove the association; the ESL returns to the unbound state.



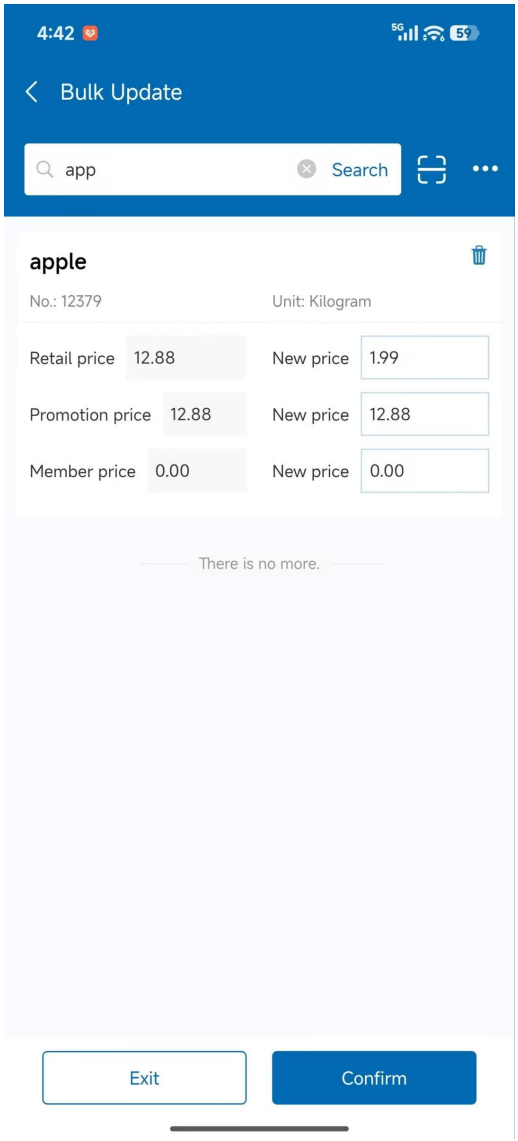
4.3 Batch Price Change

Operation Path: Home → Batch Price Change or Product Management → Batch Price Change

Function Description: Adjust prices for multiple products uniformly.

Steps:

1. Tap【**Batch Price Change**】.
2. On the “Add Products to Change Price” page, select the products to reprice (supports search, checkboxes, and scanning).
3. Enter the new retail price, member price, or promotional price for the products.
4. After confirming the price change, the system automatically pushes the new prices to the bound ESLs.
5. You can check the results in the “Push Log”.



Chapter 5: LCD ESL Management

5.1 ESL List

Operation Path: Home → LCD ESL

Function Description: View all LCD ESLs; supports adding, searching, and viewing details.

5.1.1 Search ESLs

- Enter the ESL serial number, name, or bound product name in the search box at the top of the list.
- Supports filtering by binding status.

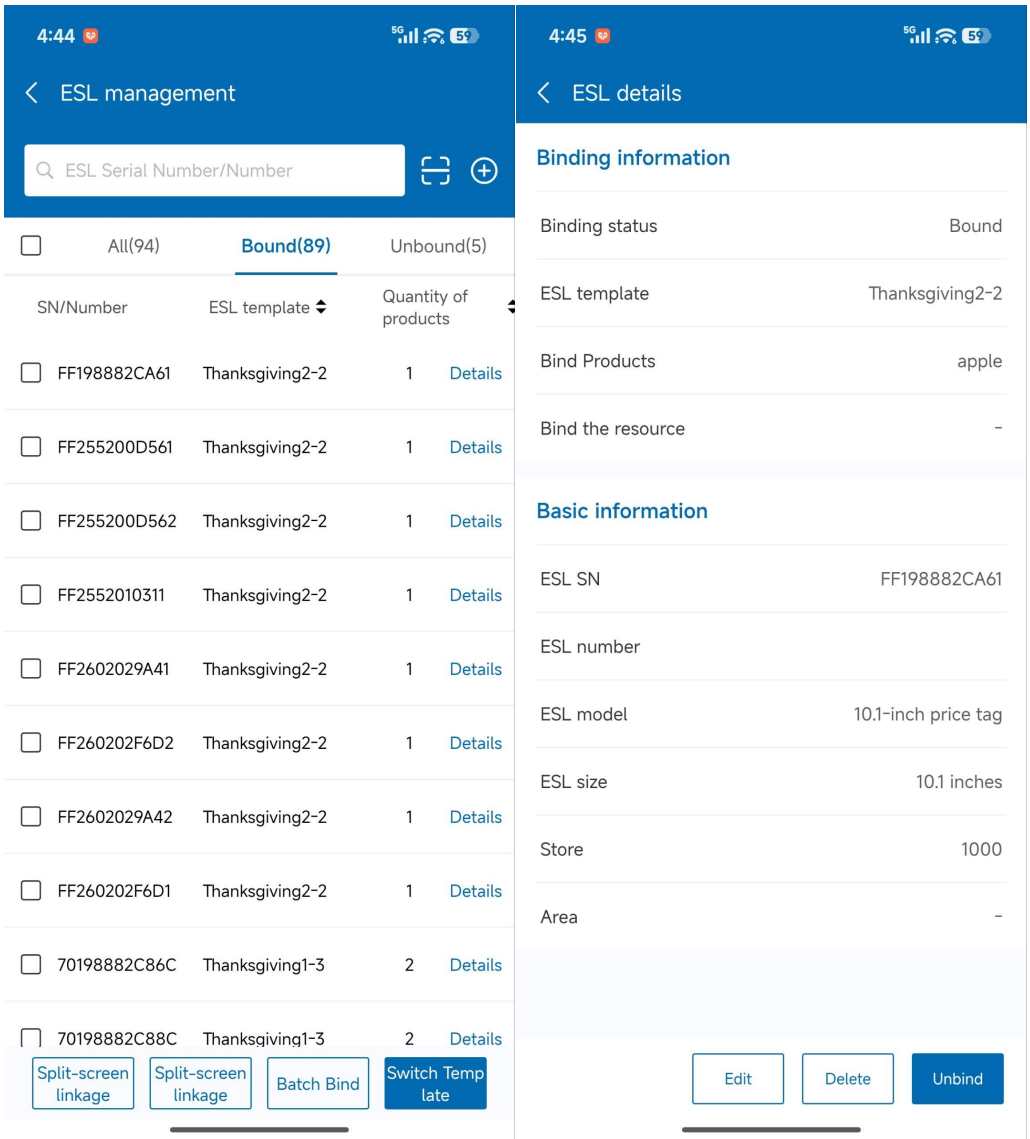
5.1.2 Add ESL

1. Tap the【**Add ESL**】button.
2. Enter the ESL serial number (MAC address) and ID.
3. Select the store and zone.

4. Select the default binding template.
5. Tap【**Save**】to add the ESL.

5.1.3 ESL Details

- Tap an ESL to enter the details page, where you can view detailed information, bound product, current template, last online time, etc.
- Supports【**Unbind**】,【**Switch Template**】,【**Re-push**】operations on the details page.



5.2 Bind ESL

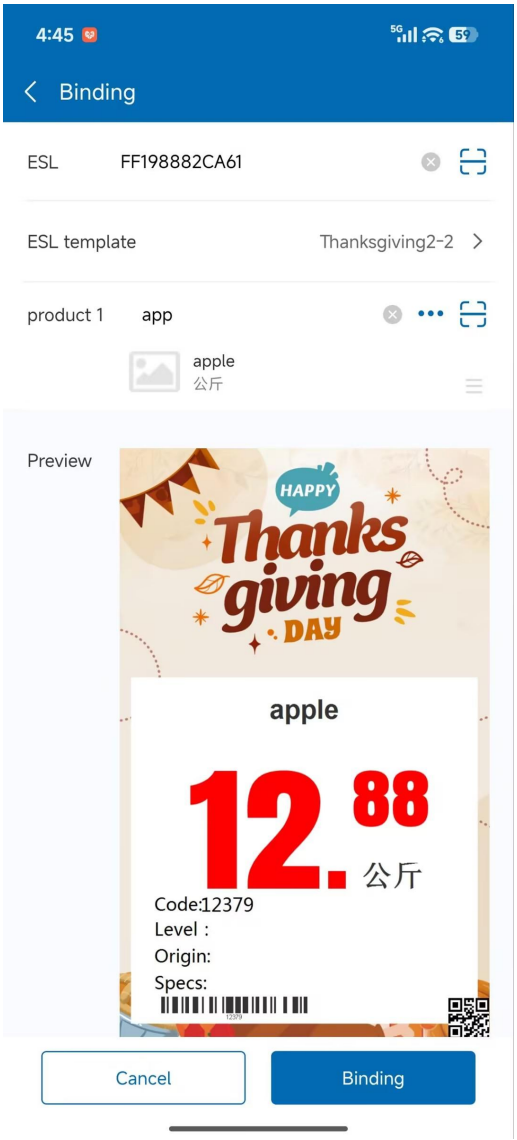
Operation Path: Home → Bind or LCD ESL List → Bind

Function Description: Bind an LCD ESL to a product and push data to the screen.

Steps:

1. Select the ESL to bind (supports scanning or manual selection).
2. Select a template (only LCD templates are displayed).
3. Select a product (supports searching by product name or barcode).
4. If the template includes a video resource, you may optionally select a video resource.

5. Tap【**Confirm Bind**】; the system pushes data to the ESL screen.



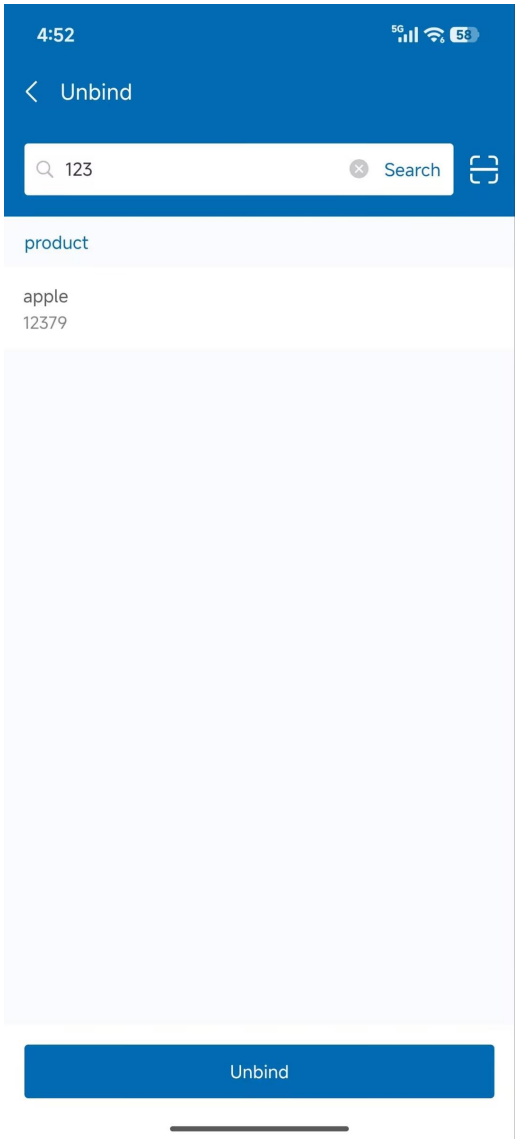
5.3 Unbind ESL

Operation Path: Home → Unbind or ESL Details Page → Unbind

Function Description: Remove the binding between an ESL and a product; the ESL returns to the unbound state.

Steps:

1. Enter the unbind page.
2. Enter or scan the ESL serial number QR code to quickly locate the ESL.
3. Confirm and tap【**Unbind**】to remove the association.



5.4 Batch Bind

Operation Path:LCD ESL List → Batch Bind

Function Description: Bind multiple LCD ESLs to multiple products in batches.

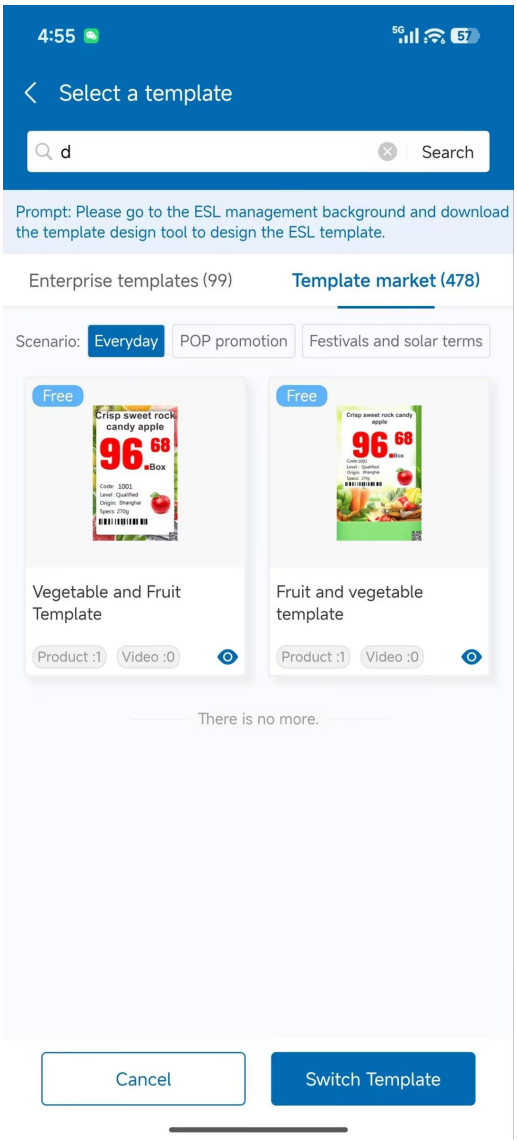
Steps:

1. Select the ESLs to bind (at least one).
2. Tap【**Batch Bind**】.
3. Select a template.
4. Select products (multiple selections allowed; the system matches in order or one-to-one).
5. Confirm to execute the batch binding.

5.5 Switch Template

Operation Path:LCD ESL List → Batch Switch Template or ESL Details Page → Switch Template
Function Description: Switch the display template for one or more LCD ESLs in batch.
Steps:

1. Select the ESLs for which you want to switch templates.
2. Tap【**Switch Template**】.
3. Select the target template.
4. Confirm; the system pushes the template to the ESLs.



5.6 Multi-screen Sync

Operation Path:LCD ESL → Multi-screen Sync
Function Description: Splicing multiple LCD ESLs together to form a large screen and play the same video simultaneously.

Prerequisites:

- All participating ESLs must use the same template, and that template must include a video resource.
- Currently only supports horizontal arrangement in a single row.

Steps:

1. Select the ESLs to synchronize (in order of arrangement).
2. Select a template that contains a video.
3. Select a video resource.
4. Tap【**Save**】; the system splits the video and pushes it to the ESLs for combined playback.

5.7 Split-screen Sync

Operation Path:LCD ESL → Split-screen Sync

Function Description: Multiple ESLs work together to display different content, collectively forming a complete visual. Suitable for displaying different angles of a single product or a single video template.

Prerequisites:

- Only one product or one single-video template can be selected.

Steps:

1. Select the ESLs to synchronize.
2. Select a product or a single-video template.
3. Tap【**Start Sync**】; the system distributes the content to the ESLs for display.

Chapter 6: EPD ESL Management

6.1 Base Station Management

Operation Path: Home → Base Station Management

Function Description: Manage the communication Base Stations for EPD ESLs.

6.1.1 Add Base Station

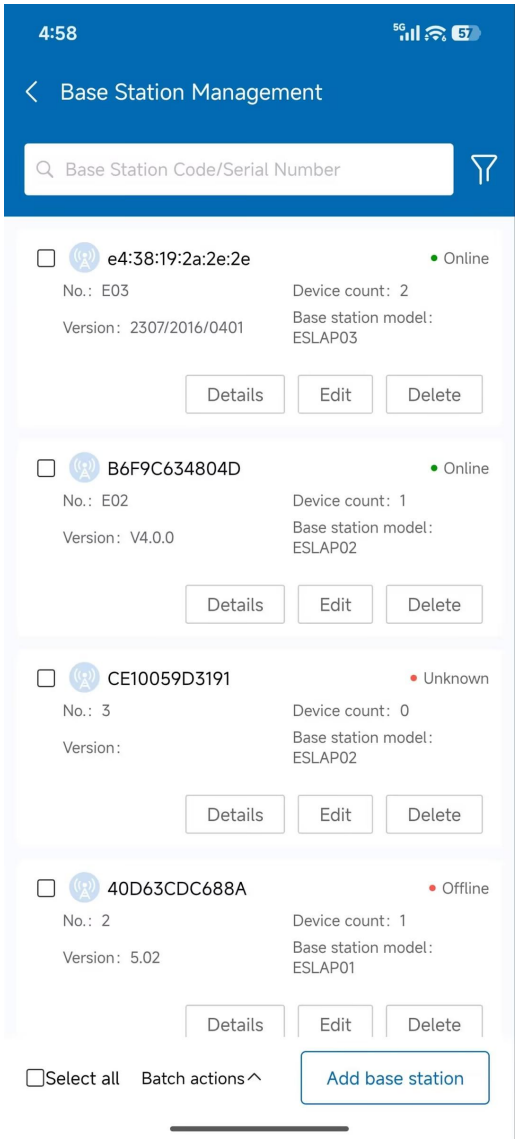
1. Tap【**Add Base Station**】.
2. Enter the Base Station ID, Base Station MAC address, and the store.
3. Tap【**Save**】.

6.1.2 Base Station List

- Displays all Base Stations.
- Shows Base Station status (Online/Offline) and signal strength.
- Supports【**Network Check**】and【**Delete**】operations.

6.1.3 Batch Operations

- **Batch Network Check:**Select multiple Base Stations and tap【**Network Check**】.
- **Batch Delete:**Select multiple Base Stations and tap【**Batch Delete**】(ensure no ESLs are bound to the Base Stations before deletion).



6.2 EPD ESL Management

Operation Path: Home → EPD ESL

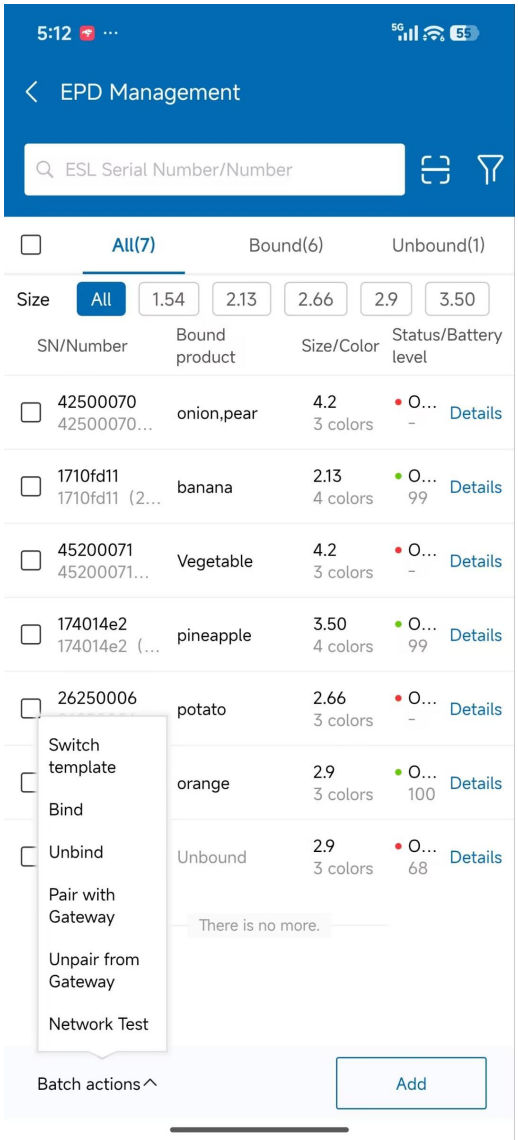
Function Description: Manage EPD ESLs, supporting adding, editing, deleting, binding, unbinding, and other operations.

6.2.1 Search ESLs

- Supports multi-dimensional filtering:
  - By Size (2.13", 2.9", 4.2", etc.)
  - By Base Station
  - By Bound Product
  - By Bound Template
  - By Color (Black & White, Black & White & Red, Black & White & Red & Yellow, etc.)
  - By Network Status (Online/Offline)

6.2.2 Batch Operations

- **Batch Bind:**Select ESLs → Select template → Select product → Execute binding.
- **Batch Unbind:**Select ESLs → Tap【**Batch Unbind**】.
- **Batch Switch Template:**Select ESLs → Select target template → Execute switching.
- **Batch Delete:**Select ESLs → Delete (only allowed for ESLs that are unbound or offline).
- **Batch Bind Base Station:**Select ESLs → Select target Base Station → Execute.
- **Batch Unbind Base Station:**Select ESLs → Remove the association with the Base Station.
- **Network Check:**Select ESLs → Check online status.

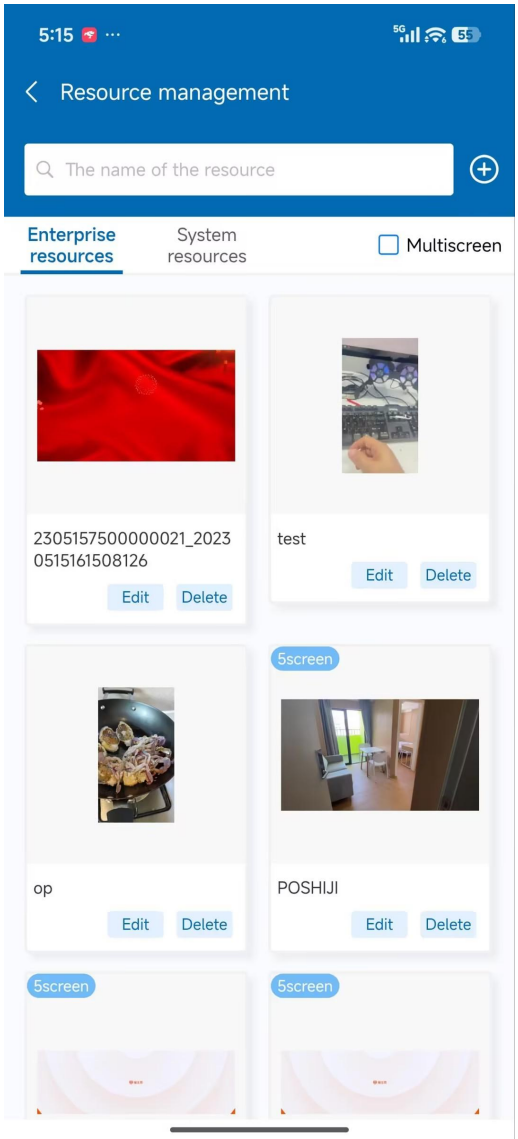


Chapter 7: Resource Management

7.1 LCD Resource Management

Operation Path: Home → Resource Management → Resources
Function Description: Manage images and video resources used by LCD ESLs.
Operations:

- **Upload Resource:**Tap【**Upload**】, select a local image or video, enter a resource name, and upload to the server.
- **Resource List:**Displays uploaded resources, supports preview, editing name, and deletion.



7.2 Switch LCD Resources

Operation Path: Home → Switch LCD Resources

Function Description: Batch switch the images or videos displayed on LCD ESLs.

Steps:

1. Select the target resource (choose from the resource library).
2. Filter the ESLs that need the resource change (supports filtering by store, zone, template, etc.).
3. Preview the effect (optional).
4. Tap【**Execute Switch**】; the system pushes the resource to the ESLs.

Chapter 8: Configure ESL (WiFi Setup)

Operation Path: Home → Configure ESL

Function Description: Use the phone's Bluetooth to search for nearby LCD ESLs and configure their WiFi network to connect them to the backend server.

Prerequisites:

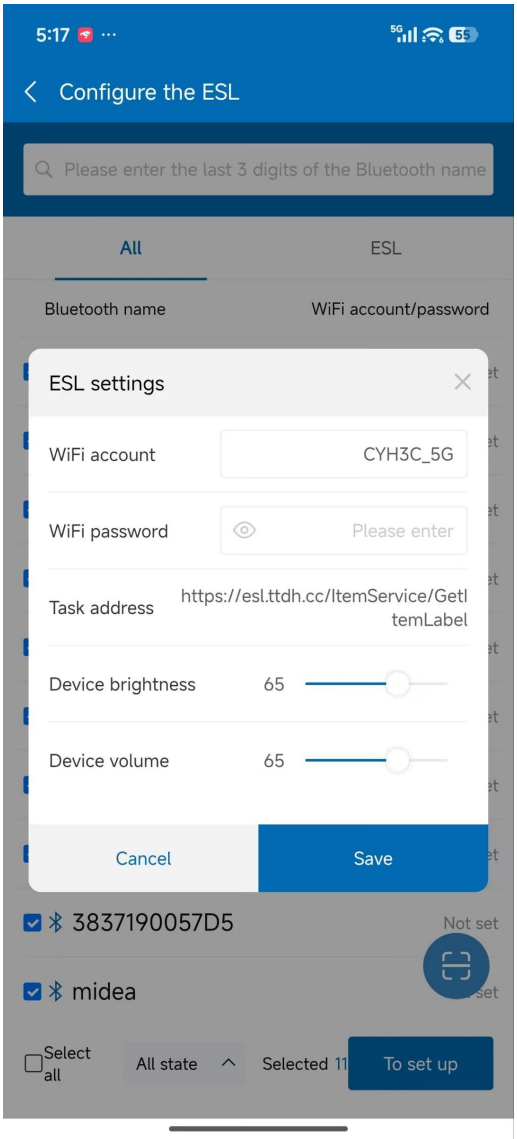
- Bluetooth and location permissions must be granted (required on Android).
- The ESL must be in a network- to- be- configured state (typically powered on but not yet connected to WiFi).

Steps:

1. Tap【**Configure ESL**】.
2. When prompted to "Allow Bluetooth", tap【**Allow**】.
3. Tap【**Start Scan**】; the App will scan for nearby LCD ESLs.
4. Select the ESLs you want to configure from the search results (multiple selection allowed).
5. Enter the WiFi name (SSID) and password.
6. Tap【**Start Configuration**】; the system sends the WiFi credentials to the ESLs via Bluetooth.
7. Once the ESL successfully connects to WiFi, it automatically registers the MQTT connection and communicates with the backend.
8. The configuration result can be viewed in the list (Success/Failure).

Batch Configuration:

- Supports selecting multiple ESLs and configuring WiFi for them in batch.



Chapter 9: Re-push

Operation Path: Home → Re-push

Function Description: Batch re-push data that timed out or failed to be pushed to ESLs.

Steps:

1. Filter the ESLs that need re-pushing (supports filtering by store, ESL type, push status, etc.).
2. Tap【**Re-push**】.
3. The system creates a re-push task; you can view the results in the “Push Log”.

Chapter 10: My

10.1 Settings

Operation Path: Bottom Navigation Bar → My → Settings
Function Description: Configure App personalization options.
Configurable Items:

- **ESL Type:**Select the ESL type used in the current store (LCD ESL / EPD EPD ESL / Both), which affects the data statistics and function display on the home page.
- **Language:**Switch the App interface language (Chinese / English, etc.).

10.2 User Management

Operation Path: My → User Management
Function Description: Manage sub- users of the current store (visible only to admin accounts).
Operations:

- **Add Sub- user:**Enter username, phone number, role, and set an initial password.
- **Edit User:**Modify user information and role.
- **Delete User:**Remove a sub- user account.
- **Reset Password:**Reset a user's password to the initial password.

10.3 Store Information

Operation Path: My → Store Information
Function Description: View details of the currently logged- in store.
Displayed Content:

- Store Name
- Store Code
- Address
- Contact Person, Contact Number

10.4 About

Operation Path: My → About
Function Description: View App version information and legal documents.
Content:

- **Update:**Check for new App versions and upgrade.
- **User Agreement:**View the user agreement.
- **Privacy Policy:**View the privacy policy.

10.5 Logout

Operation Path: My → Logout
Function Description: Log out of the current account and return to the login page.

Appendix

Appendix A: Frequently Asked Questions and Solutions

Issue	Possible Cause	Solution
Bluetooth cannot find ESL	Bluetooth not enabled, location permission not granted, ESL not in configuration mode	Check Bluetooth, grant location permission, confirm ESL status
WiFi configuration fails	Incorrect password, weak signal, ESL does not support 5G WiFi	Verify password, ensure ESL is within WiFi coverage, use 2.4GHz WiFi
ESL does not refresh after binding	ESL offline, network delay	Check ESL network status, tap “Re- push”
Login error “Account does not exist”	Account not registered or entered incorrectly	Verify account details, or contact administrator to create account
Batch operation partially fails	Some ESLs are offline or have data anomalies	Check failure details, retry for offline ESLs individually

FCC Warnning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.