

WEB HMI

User Manual



WEB HMI Touch Screen

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1. Power On and Initial Setup

1.1 Environment Configuration

Using Web-Tools tool to update the firmware allows for upgrading the touchscreen's system. The touchscreen enters firmware mode after power-on. Then, open the tool and perform the System firmware update operation.

Web Tools

Communication method

Net Port USB Port

Designated IP

IP	Port
192.168.0.253	21846

System operation

System firmware update

Updating kernel

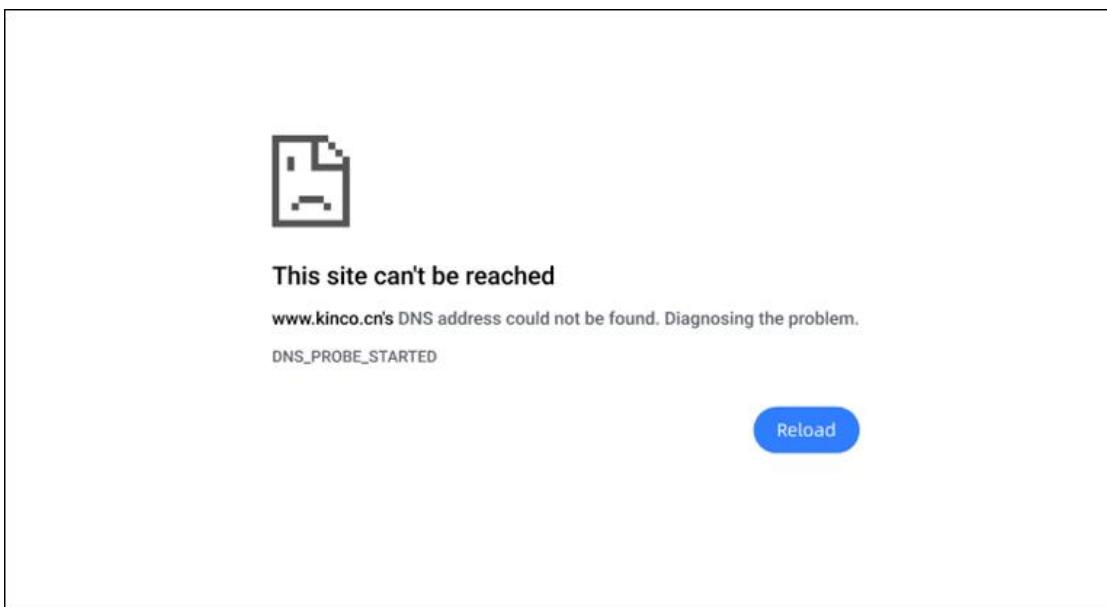
Cancel

1.2 First-time operation

After power-on, the default loaded URL is Kinco's website.



If the external network is unavailable at this time, prompt a connection error.



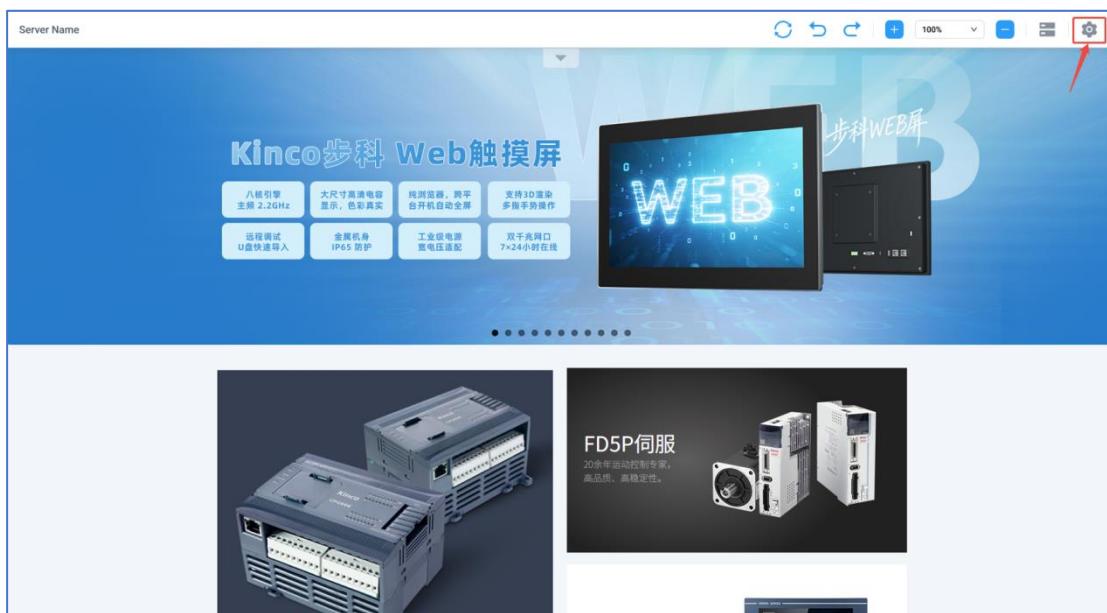
1.3 Daily Operations and Monitoring

After opening this product for the first time, follow the steps below to set up its display and web browser.

1. In run mode, click the drop-down arrow  to invoke the navigation bar.

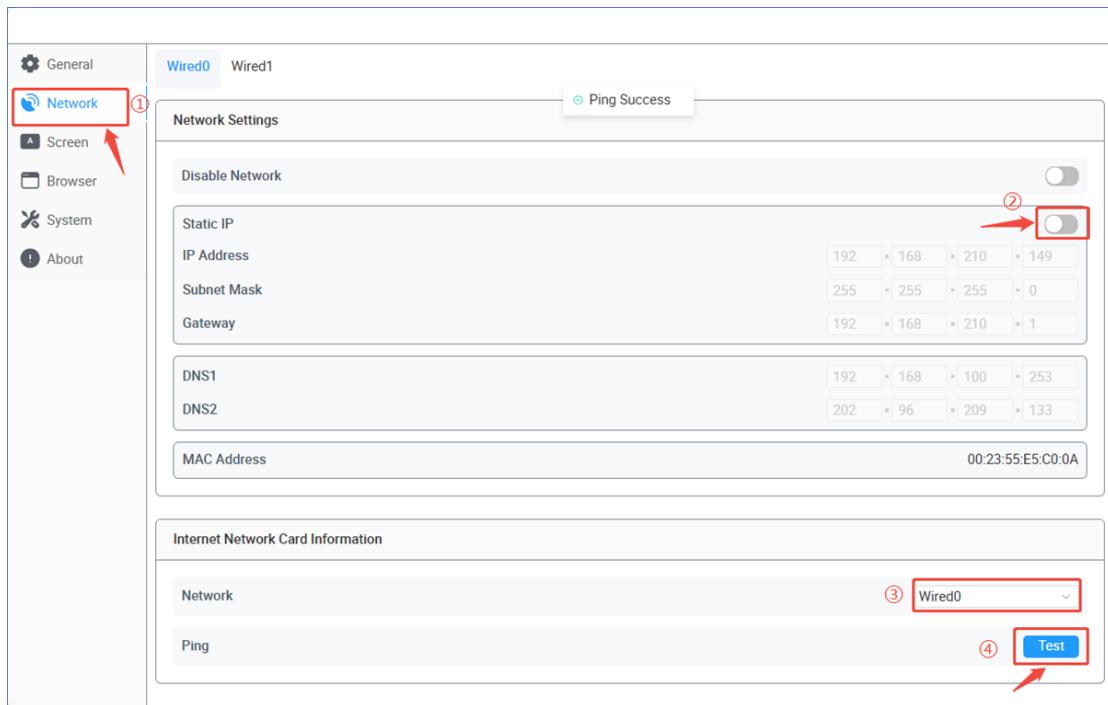


2. Click  to enter the system settings interface.

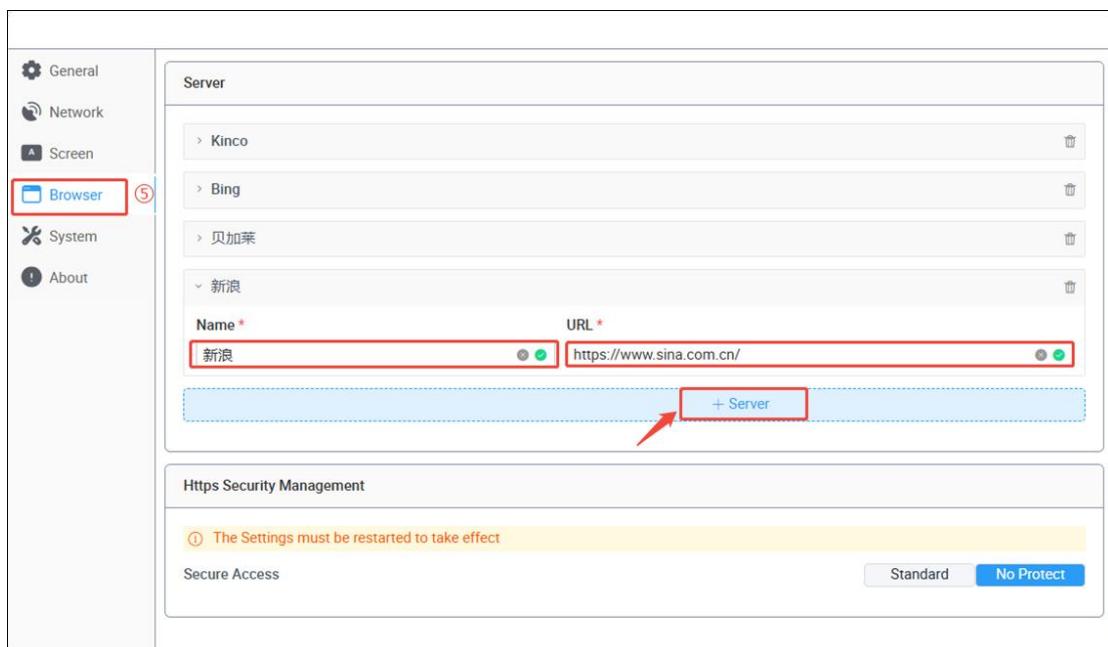


3. After entering the system settings interface:

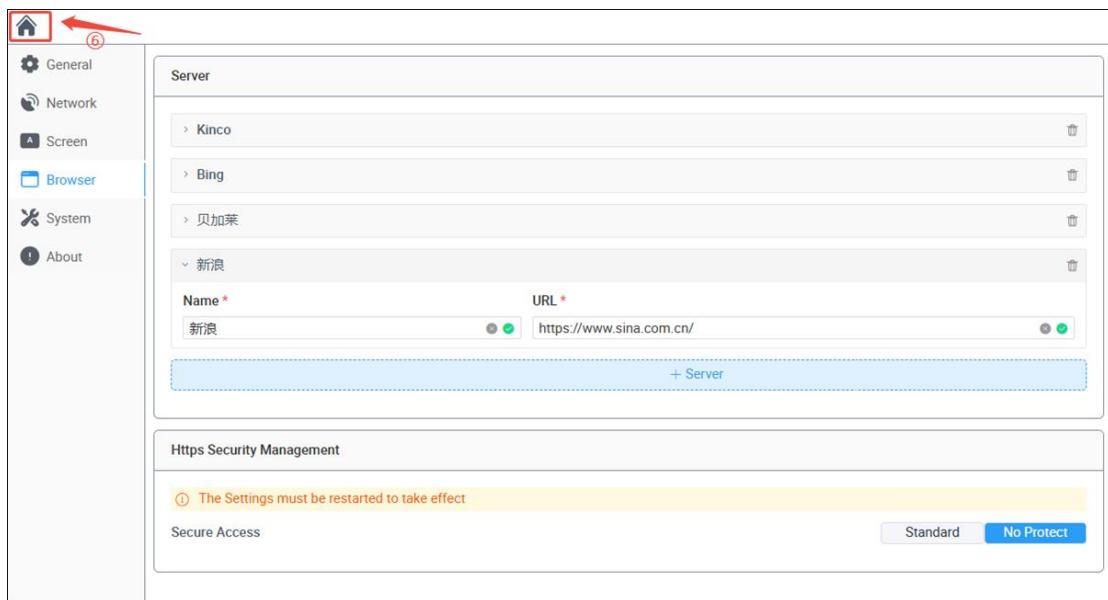
- ① Set up the network in 'Network'.
- ② The automatic network acquisition function is enabled by default.
- ③ Designate a network interface (Port 0 or Port 1) for the touchscreen device's internet connection, and plug the Ethernet cable into the designated port.
- ④ Click 'Test' to perform an external network test. If the ping is successful, external website access is available.



⑤Add or edit the name and URL of the website to be accessed in the Browser.



⑥After setting is complete, click the home icon to return to the browser's homepage.

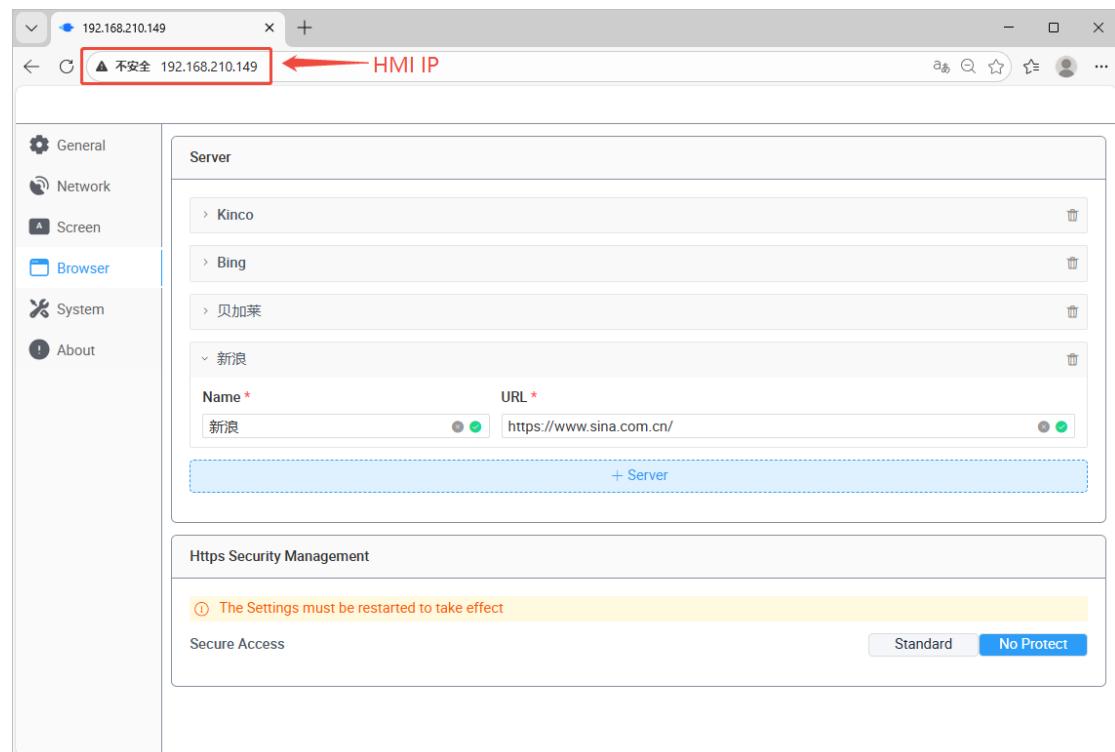


⑦Click the URL filter box in the navigation bar to select the website you want to visit.

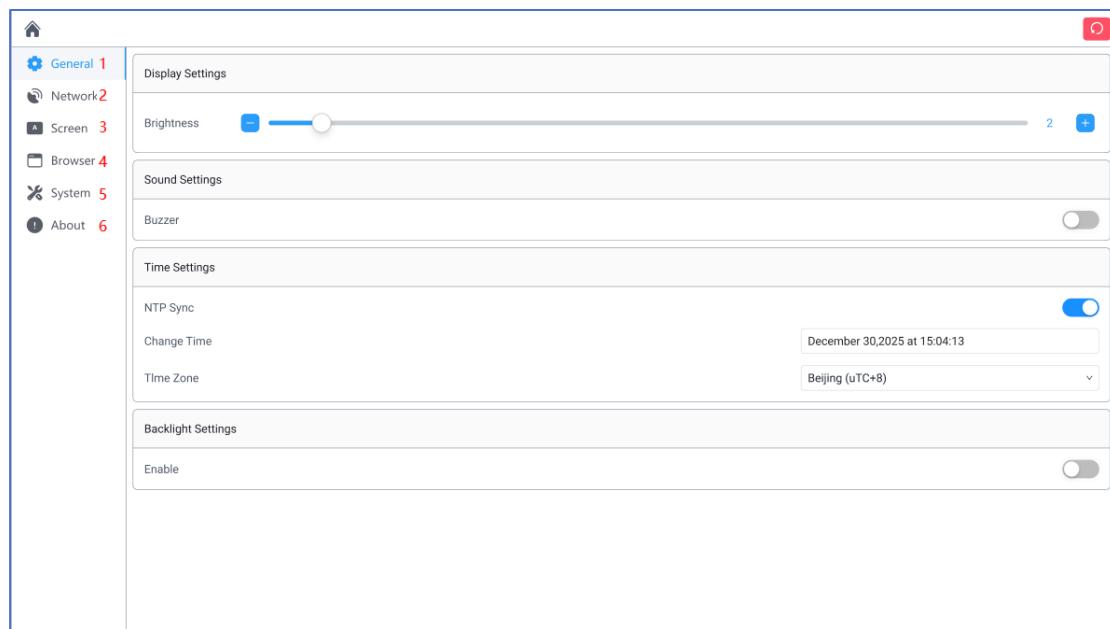


1.4 PC Online Touchscreen Settings

After configuring the IP information of the touchscreen and establishing network interconnection with the computer, you can use the computer's browser to input the touchscreen's IP address. This allows you to adjust settings on the computer end, such as the touchscreen's brightness, beep sound, system time, browser's URL information, and startup screen.



2. Introduction to System Configuration Parameters



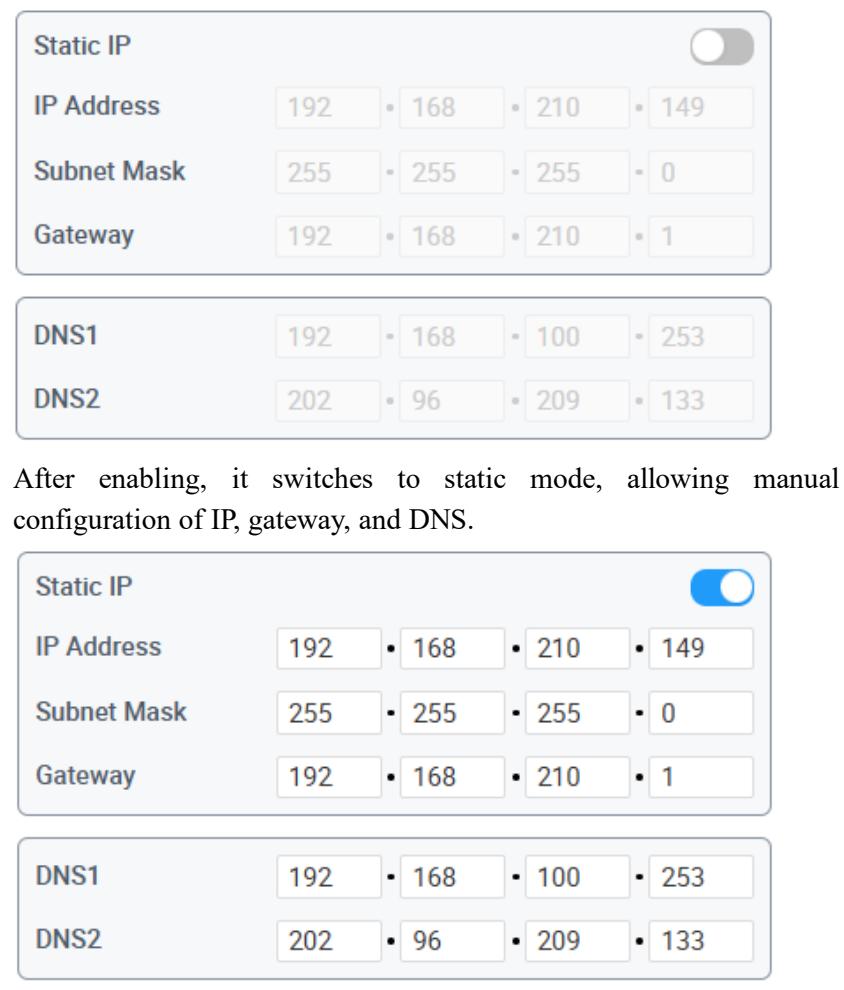
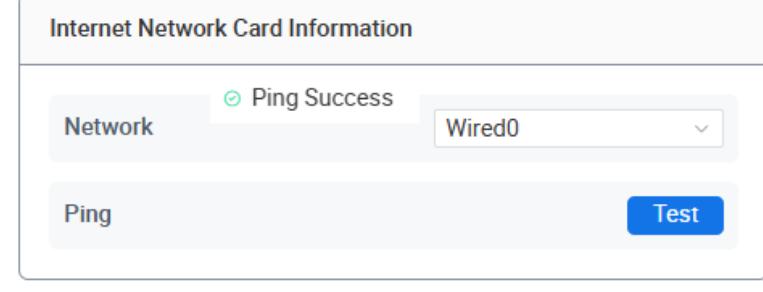
2.1 General

General	
Display Settings	<p>Brightness: Set the touchscreen brightness (maximum value: 32)</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> Display Settings <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> Brightness - 7 + </div> </div>
Sound Settings	<p>Buzzer: Disabled by default. When enabled, touching the touchscreen will trigger a beep sound.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> Sound Settings <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> Buzzer (off) </div> </div>
Time Settings	<p>When NTP Sync is enabled, the device will periodically synchronize with the network clock during network connection and display the synchronized time.</p>

	<div style="border: 1px solid #ccc; padding: 10px;"> <p>Time Settings</p> <p>NTP Sync <input checked="" type="checkbox"/></p> <p>Change Time <input type="text" value="January 04, 2026 at 13:10:21"/></p> <p>Time Zone <input type="text" value="Beijing (UTC+8)"/></p> </div> <p>When NTP Sync is turned off, users can manually adjust the system time.</p> <div style="border: 1px solid #ccc; padding: 10px; margin-top: 10px;"> <p>Time Setting</p> <p>2026 / 01 / 04 : 13 : 10 : 28</p> <p>OK Cancel</p> </div>
Backlight settings	<p>After enabling this feature, you can set the backlight timeout duration. For example, if there is no operation within 7 minutes, the screen will enter the backlight mode, and tapping the screen can restore the display.</p> <div style="border: 1px solid #ccc; padding: 10px;"> <p>Backlight settings</p> <p>Enable <input checked="" type="checkbox"/></p> <p>Delay Time (mins) <input type="text" value="7"/></p> </div>

2.2 Network

Network	
Wired0/Wired1	<p>Disable Network: After enabling, it will disable the network for the corresponding network port.</p> <div style="border: 1px solid #ccc; padding: 10px;"> <p>Network Settings</p> <p>Disable Network <input type="checkbox"/></p> </div> <p>Static IP: It is not enabled by default and operates in automatic IP acquisition mode.</p>

	 <p>After enabling, it switches to static mode, allowing manual configuration of IP, gateway, and DNS.</p>
Internet Network Card Information	<p>Network: Select the designated network card for internet access. When the specified network card establishes a network connection, you can access the designated website in the browser.</p> <p>Ping: Clicking "Test" can be used to test whether the network environment has external internet access.</p> 

2.3 Screen

Screen	
Display Orientation Settings	Set the display orientation of the touchscreen interface, which will take effect after rebooting.

Display Orientation Settings

ⓘ The Settings must be restarted to take effect



0° 90° 270° 180°

Use Image: After enabling, a configured logo screen will be displayed during power-on reboot.

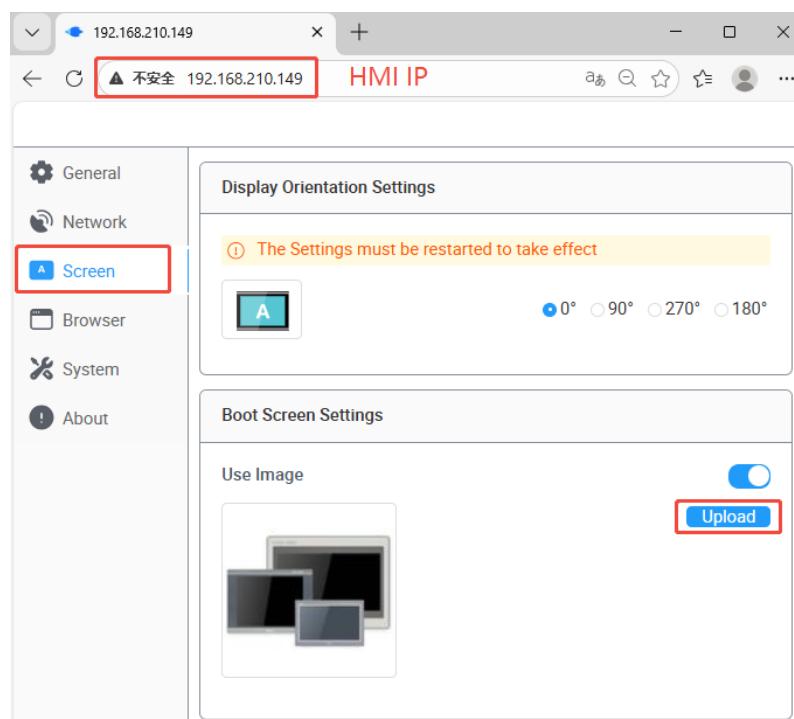
Boot Screen Settings

Use Image

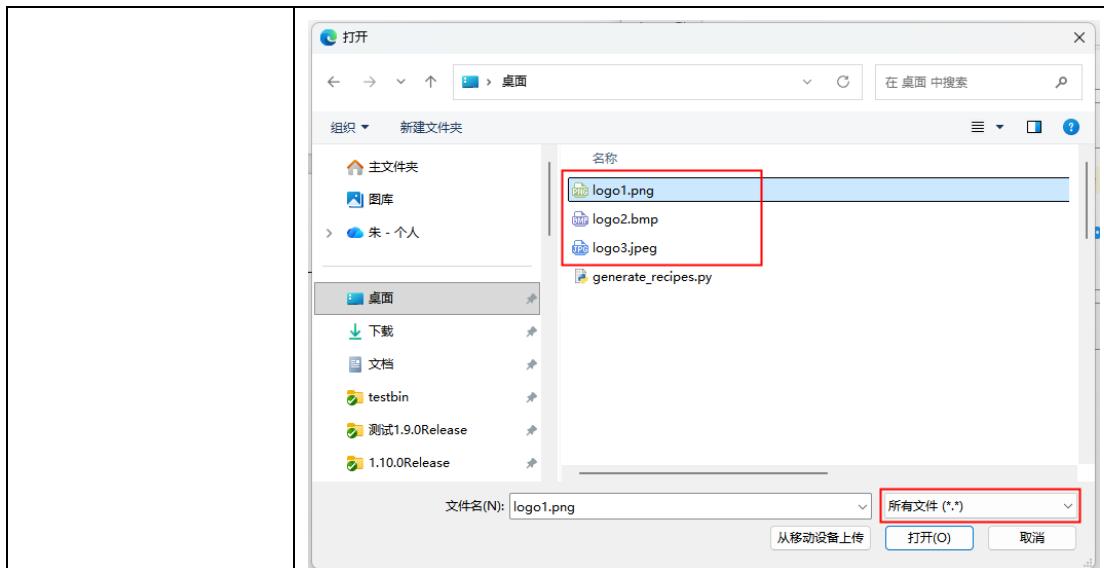


Upload

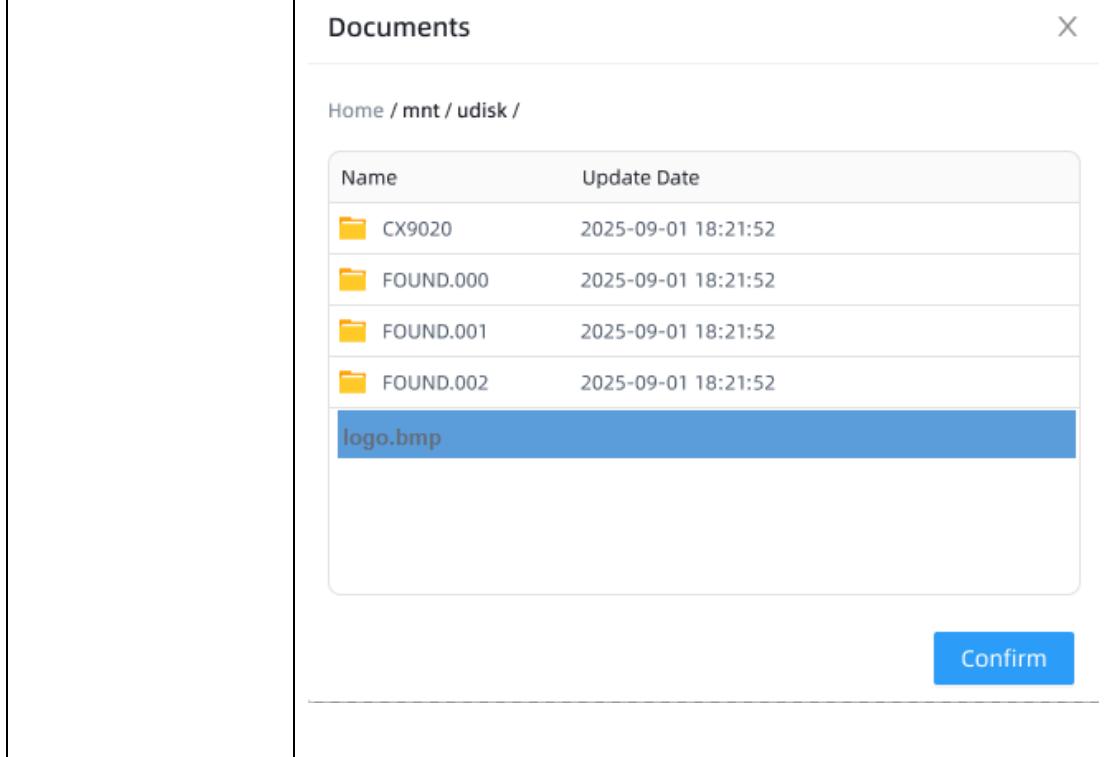
Click "Upload" when configuring from the computer side (by entering the HMI's IP address in the browser),



and you can select images in png, bmp, or jpeg formats.

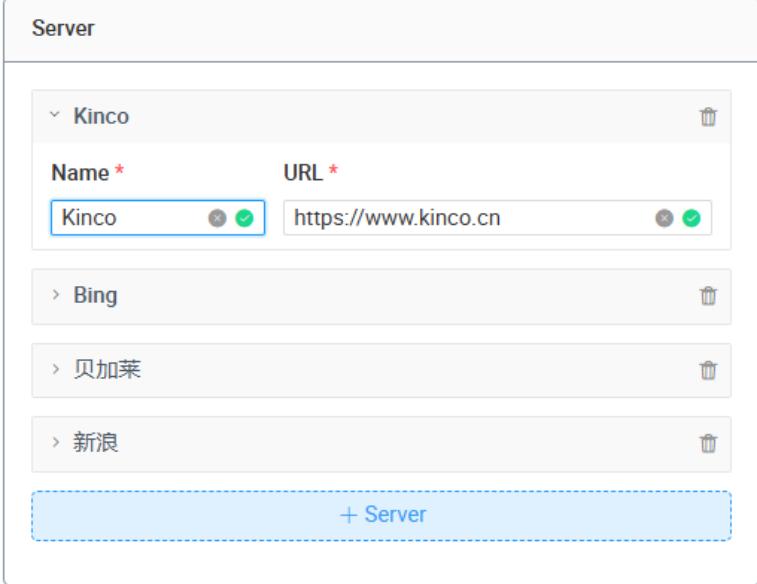
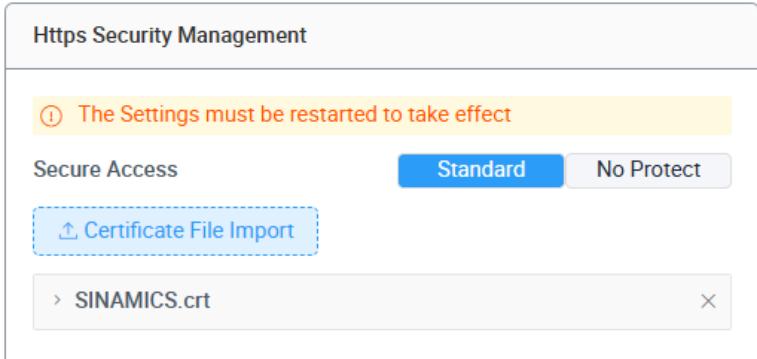
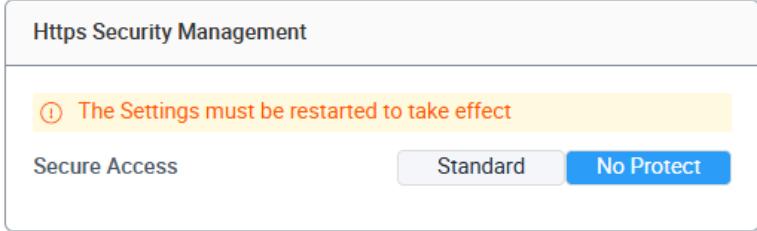


On the screen, images can only be uploaded exclusively from a USB flash drive in bmp format by default (note that only images with 24-bit color depth or higher are supported). The settings will take effect after rebooting.



2.4 Browser

Browser	
Server	You can add new Servers, with a maximum of 10 URLs that can be set.

	<p>After editing the Name and URL, you can switch between the URLs to browse in the dropdown menu of the homepage navigation bar.</p> 
Https Security Management	<p>When setting up Stand mode, clicking "Certificate File Import" allows you to import website certificates, enabling access to that website.</p> <p>Certificates can be uploaded from a computer, while on the screen, by default and exclusively, certificates can only be uploaded from a USB flash drive.</p>  <p>When "No protect" is set, there will be no security verification by default.</p> 

2.5 System

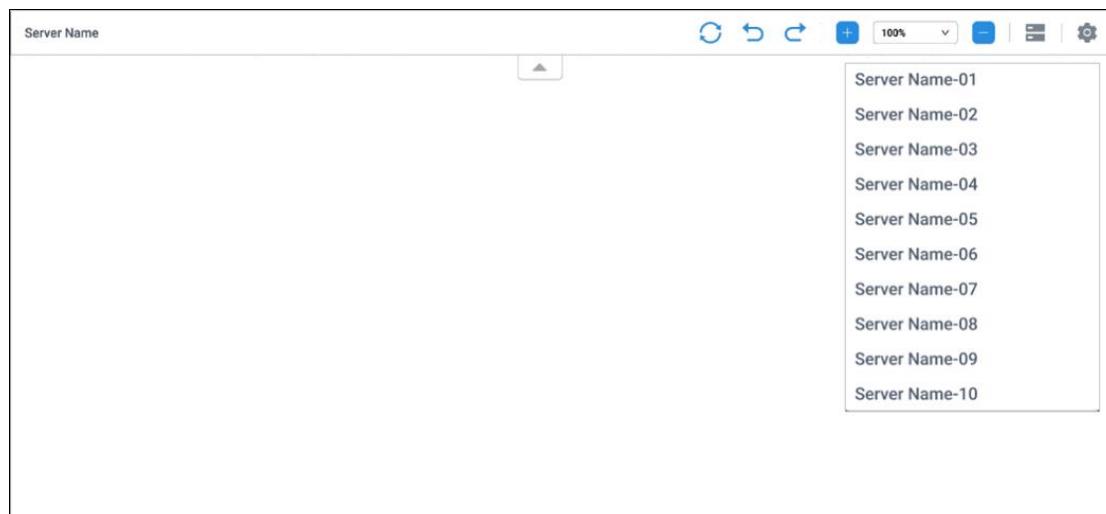
System	
After exporting the current settings (such as brightness, beep, backlight duration, etc.) to a file, you can import them into the screen to batch-set the parameters.	
System Settings	
Import Settings	Import
Export Settings	Export
Restore Factory Settings	Restore
Export Settings	When exporting the current screen settings, if a USB flash drive is inserted, the settings will be exported to the USB flash drive by default; if no USB flash drive is inserted, the settings will be exported to the local storage of the screen.
Import Settings	When no USB flash drive is inserted, clicking "Import" will import the settings file from the local storage of the screen. When a USB flash drive is inserted, the settings file will be imported from the USB flash drive by default. If no file is found on the USB flash drive, a failure prompt will be displayed. After removing the USB flash drive and clicking "Import" again, the settings file will be imported from the local storage of the screen.
Restore Factory Settings	Restore factory settings

2.6 About

Check the current firmware version information of the touchscreen.

General	Version Information		
Network	System 362	Chrome Kernel 100	Kernel 6169
Screen	Rootfs 28588		
Browser	Device Serial Number		
System	123456789098765		
About			

3. Introduction to the Navigation Bar of the Browser Page

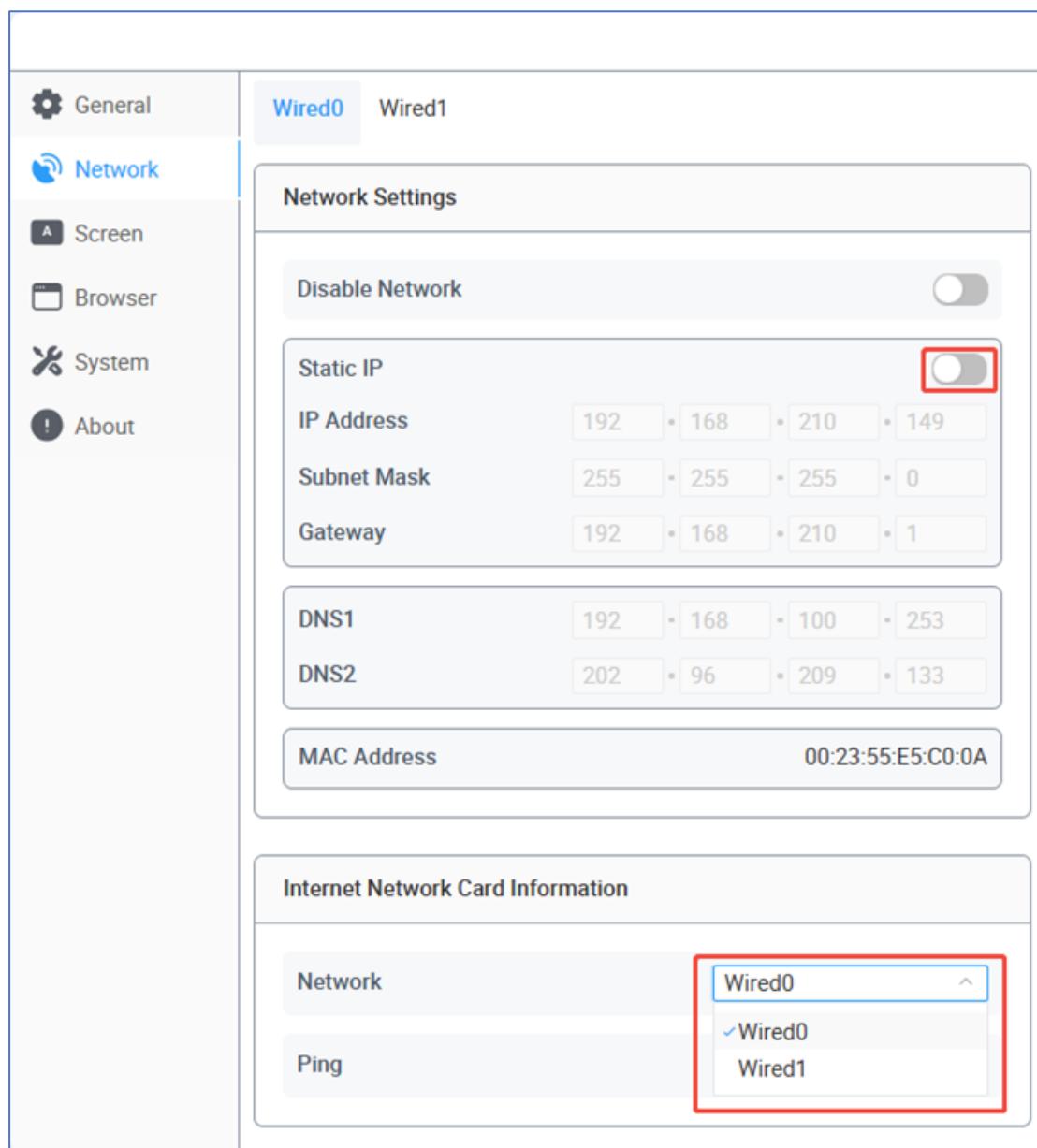


	The navigation bar will pop up and automatically retract and hide if no operation is performed within five seconds.
	Return to the browser homepage.
	Refresh the browser.
	Go back to the previous webpage.
	Go forward to the next webpage.
	Zoom in on the webpage.
	Zoom out on the webpage.
	Filter URLs.
	Jump to system settings.

4. Frequently Asked Questions (FAQs)

4.1 Can't connect to the webpage?

Go to the system settings interface to check the network port settings for the touchscreen. If it is a dual-network-port screen, verify whether the designated network card for internet access matches the one actually connected. Check for any loose or damaged network cables. Connect the network port to the router, set it to obtain an IP address automatically, and observe whether it can successfully acquire information such as the IP address, gateway, and DNS.



If a static IP is configured, verify whether the settings for the IP address, subnet mask, gateway, and DNS match those configured on the server side.

General

Wired0 Wired1

Network

Screen

Browser

System

About

Network Settings

Disable Network

Static IP

IP Address: 192.168.210.149

Subnet Mask: 255.255.255.0

Gateway: 192.168.210.1

DNS1: 192.168.100.253

DNS2: 202.96.209.133

MAC Address: 00:23:55:E5:C0:0A

Internet Network Card Information

Network: Wired0

Ping

Once the setup is finished, click "Test". If the ping succeeds, the configuration is correct.

General

Wired0 Wired1

Network

Screen

Browser

System

About

Network Settings

Ping Success

Disable Network

Static IP

IP Address: 192.168.210.149

Subnet Mask: 255.255.255.0

Gateway: 192.168.210.1

DNS1: 192.168.100.253

DNS2: 202.96.209.133

MAC Address: 00:23:55:E5:C0:0A

Internet Network Card Information

Network: Wired0

Ping

4.2 The network is connected, but there's an access issue?

First, access the same URL using a computer. If the computer accesses it normally while the screen shows abnormalities, check whether the URL server has set a security access level that requires certificate import.

As shown in the following image, after importing the certificate, the IP displayed on the certificate will be the accessible IP. You need to set the touchscreen's IP to match the one shown below to access the corresponding URL.

