

# 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.

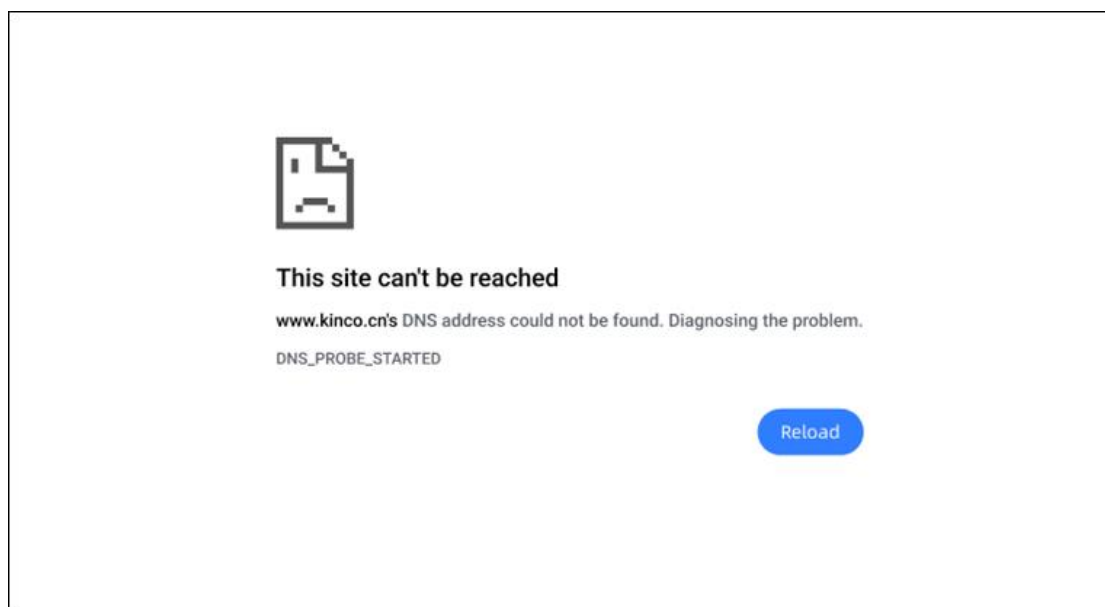
The first screenshot shows the 'Web Tools' window. It has a title bar with 'Web Tools' and a close button. Below the title bar, there is a 'Communication method' section with two radio buttons: 'Net Port' and 'USB Port'. The 'USB Port' button is selected. Below this is a 'Designated IP' section with two input fields: 'IP' and 'Port'. The 'IP' field contains '192.168.0.253' and the 'Port' field contains '21846'. Below these fields is a 'System operation' section with a dropdown menu. The dropdown menu is open, showing 'System firmware update' as the selected option. The second screenshot shows the 'Updating kernel' window. It has a title bar with 'Updating kernel' and a close button. Below the title bar, there is a progress bar. The progress bar is partially filled with blue, indicating the progress of the update. At the bottom right of the window, there is a blue button labeled '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.

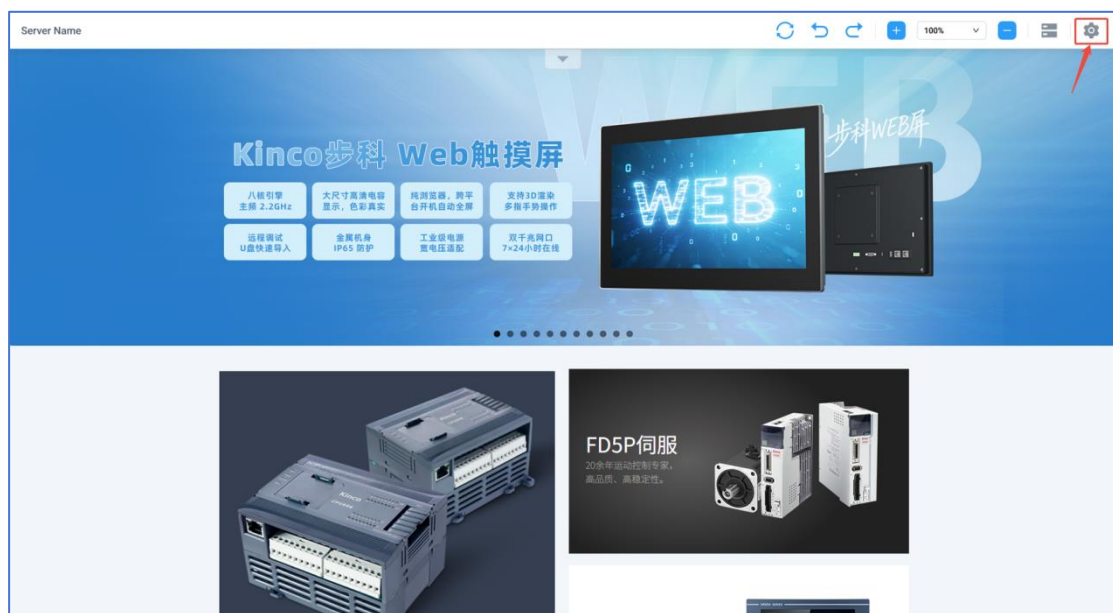
1. In run mode, click the drop-down arrow  to invoke the navigation bar.



2. Click Settings

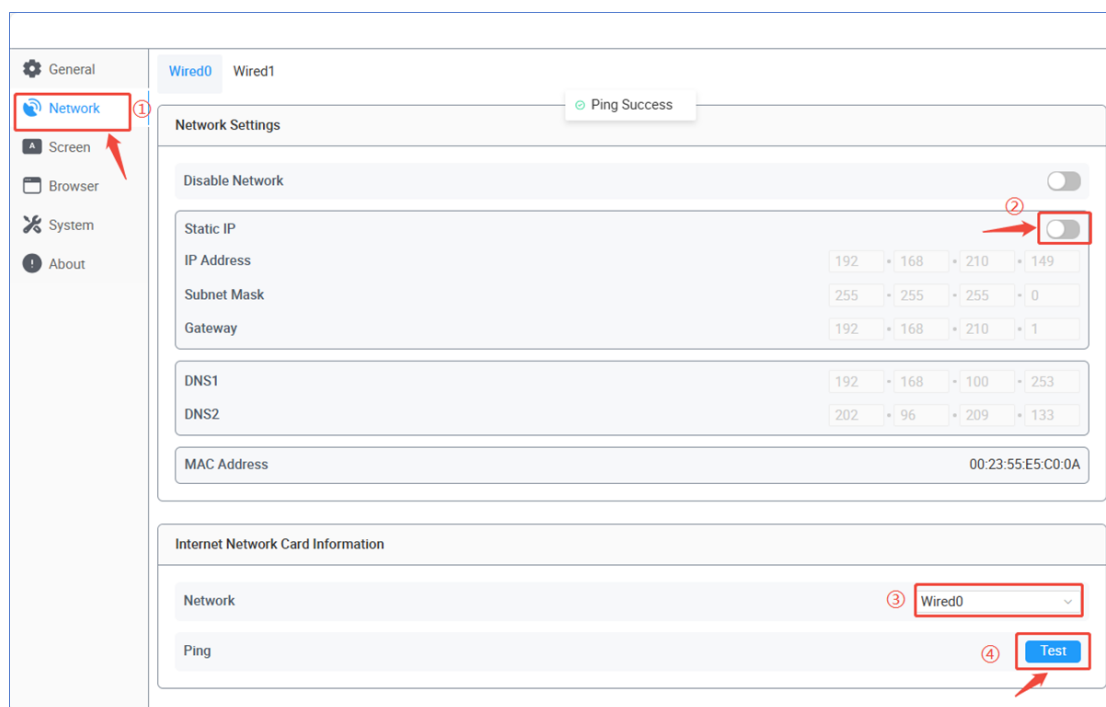


to enter the system settings interface.

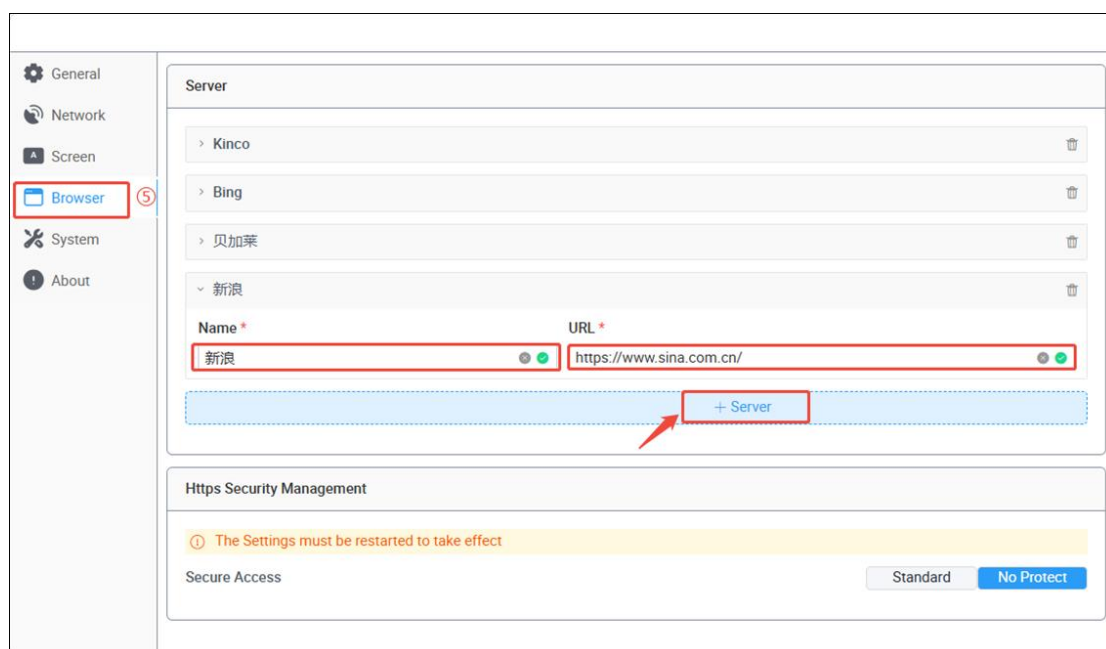


3. After entering the system settings interface:

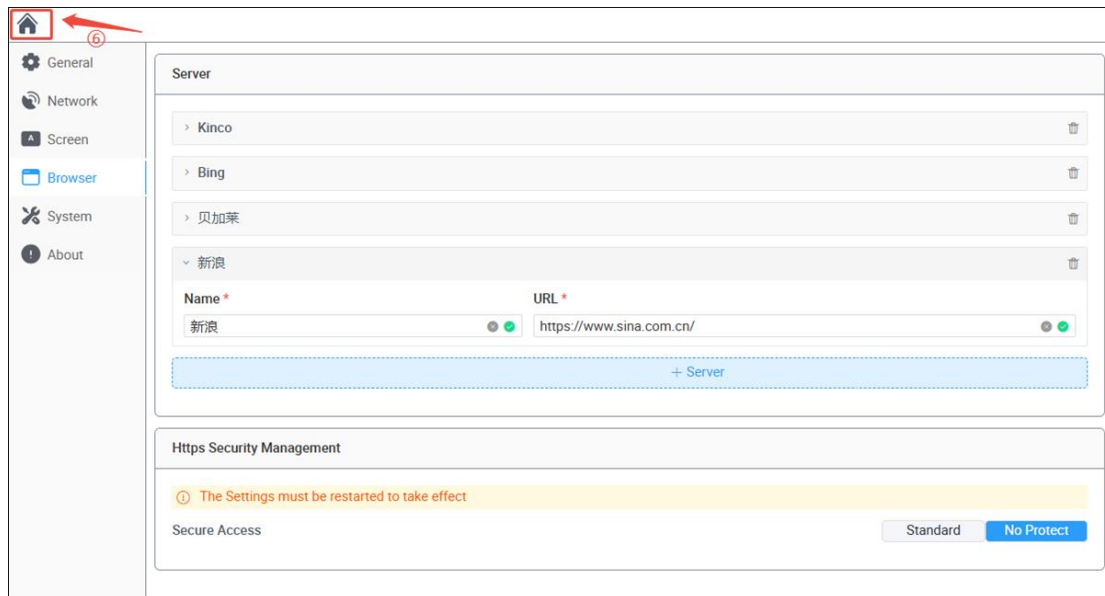
- ① Set up the network in 'Network'.
- ② The automatic network acquisition function is enabled by default.
- ③ Designate a network interface (Port 0 or Port 1) for the touchscreen device's internet connection, and plug the Ethernet cable into the designated port.
- ④ Click 'Test' to perform an external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



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



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

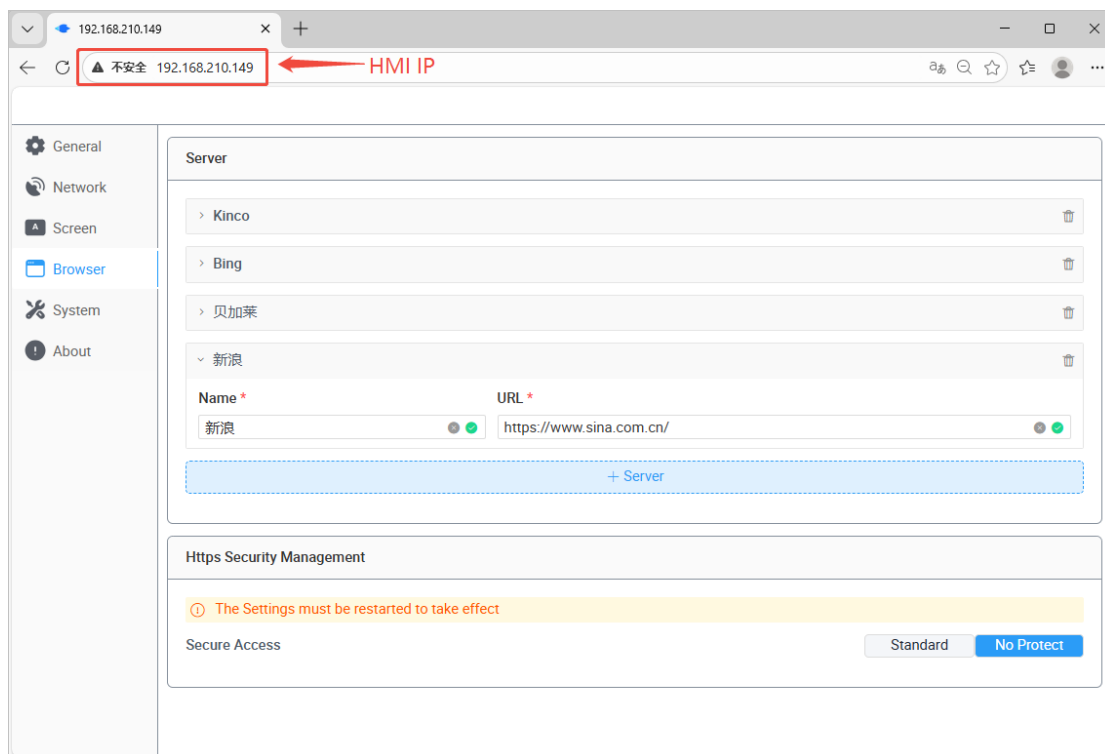


⑦ Click the URL filter box in the navigation bar to select the website you want to visit.



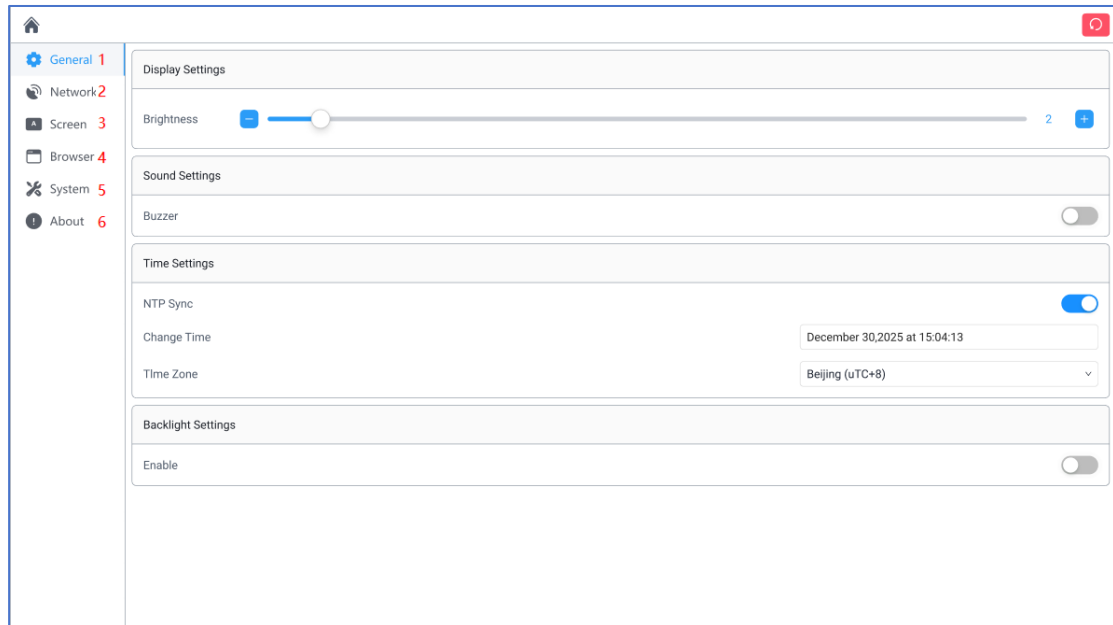
## 1.4 PC Online Touchscreen Settings

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> <div>Display Settings</div> <div>           Brightness           <span>-</span> <span>7</span> <span>+</span> </div> </div>
Sound Settings	<p>Buzzer: Disabled by default. When enabled, touching the touchscreen will trigger a beep sound.</p> <div> <div>Sound Settings</div> <div>           Buzzer           <span></span> </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><div>Time Settings</div><div><div>NTP Sync</div><div><div></div></div></div><div><div>Change Time</div><div>January 04, 2026 at 13:10:21</div></div><div><div>Time Zone</div><div>Beijing (UTC+8)</div></div></div> <p>When NTP Sync is turned off, users can manually adjust the system time.</p> <div><div>Time Setting</div><div><div>2026</div><div>/</div><div>01</div><div>/</div><div>04</div><div>13</div><div>:</div><div>10</div><div>:</div><div>28</div></div><div><div>OK</div><div>Cancel</div></div></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><div>Backlight settings</div><div><div>Enable</div><div><div></div></div></div><div><div>Delay Time (mins)</div><div><div>-</div><div>7</div><div>+</div></div></div></div>




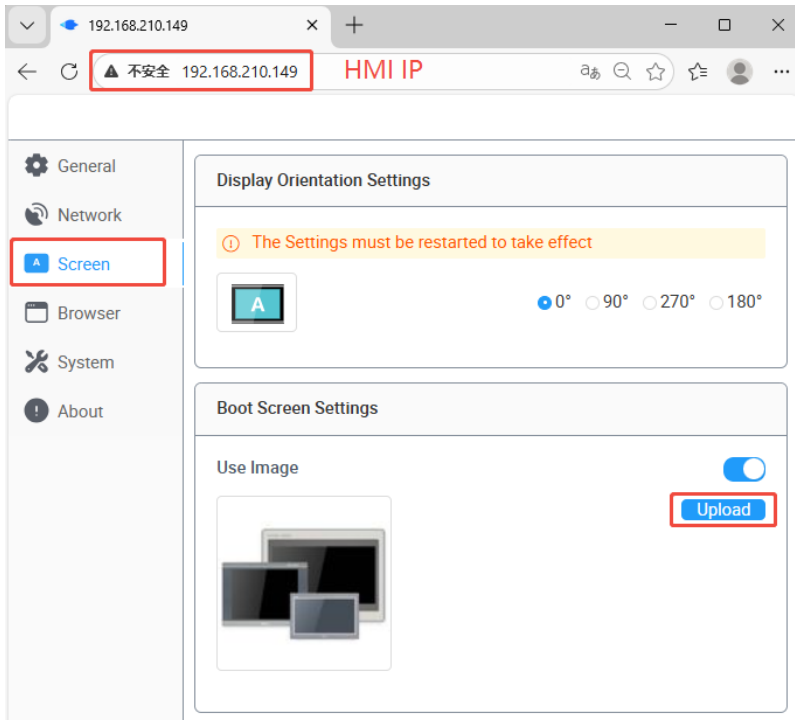
2.2 Network

Network	
Wired0/Wired1	<p>Disable Network:After enabling, it will disable the network for the corresponding network port.</p> <div><div>Network Settings</div><div><div>Disable Network</div><div><div></div></div></div></div> <p>Static IP:It is not enabled by default and operates in automatic IP acquisition mode.</p>

	<div> <div> <div>Static IP </div> <div> <div>IP Address</div> <div>192 • 168 • 210 • 149</div> </div> <div> <div>Subnet Mask</div> <div>255 • 255 • 255 • 0</div> </div> <div> <div>Gateway</div> <div>192 • 168 • 210 • 1</div> </div> </div> <div> <div>DNS1</div> <div>192 • 168 • 100 • 253</div> </div> <div> <div>DNS2</div> <div>202 • 96 • 209 • 133</div> </div> </div> <p>After enabling, it switches to static mode, allowing manual configuration of IP, gateway, and DNS.</p> <div> <div> <div>Static IP </div> <div> <div>IP Address</div> <div>192 • 168 • 210 • 149</div> </div> <div> <div>Subnet Mask</div> <div>255 • 255 • 255 • 0</div> </div> <div> <div>Gateway</div> <div>192 • 168 • 210 • 1</div> </div> </div> <div> <div>DNS1</div> <div>192 • 168 • 100 • 253</div> </div> <div> <div>DNS2</div> <div>202 • 96 • 209 • 133</div> </div> </div>
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> <div> <div>Internet Network Card Information</div> <div> <div> <div>Network</div> <div> Ping Success</div> <div>Wired0 ▾</div> </div> <div> <div>Ping</div> <div>Test</div> </div> </div> </div>

## 2.3 Screen

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

	<div><h3>Display Orientation Settings</h3><div><div> The Settings must be restarted to take effect</div><div><div><input checked="" type="radio"/> 0° <input type="radio"/> 90° <input type="radio"/> 270° <input type="radio"/> 180°</div></div></div></div>
	<p>Use Image:After enabling, a configured logo screen will be displayed during power-on reboot.</p> <div><h3>Boot Screen Settings</h3><div><div>Use Image</div><div></div><div><input checked="" type="checkbox"/> <div>Upload</div></div></div></div>
	<p>Click "Upload" when configuring from the computer side (by entering the HMI's IP address in the browser),</p> <div></div> <p>and you can select images in png, bmp, or ipeg formats.</p>

打开

桌面

在桌面中搜索

组织 新建文件夹

主文件夹

图库

朱 - 个人

桌面

下载

文档

testbin

测试1.9.0Release

1.10.0Release

名称

logo1.png

logo2.bmp

logo3.jpeg

generate\_recipes.py

文件名(N): logo1.png

所有文件 (\*.\*)

从移动设备上上传

打开(O)

取消

Documents

Home / mnt / udisk /

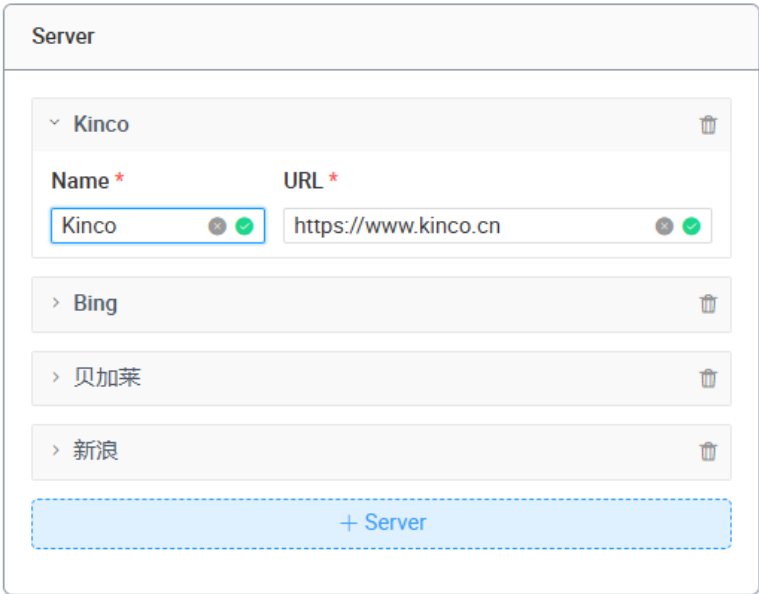
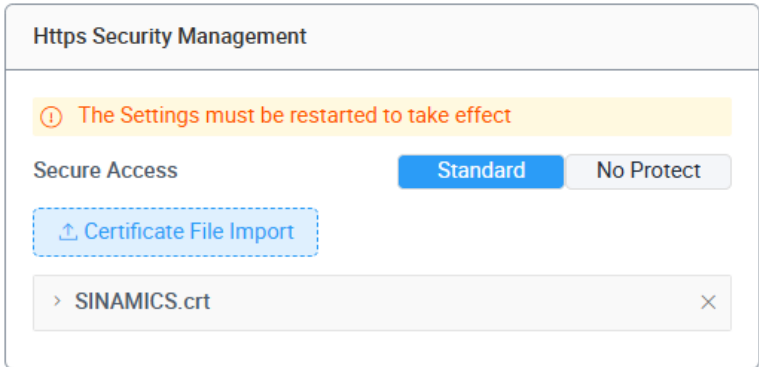
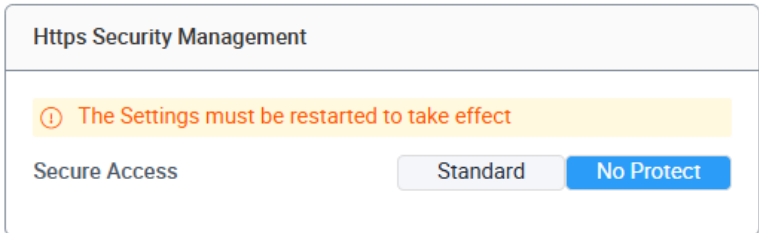
Name	Update Date
CX9020	2025-09-01 18:21:52
FOUND.000	2025-09-01 18:21:52
FOUND.001	2025-09-01 18:21:52
FOUND.002	2025-09-01 18:21:52
logo.bmp	

Confirm

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

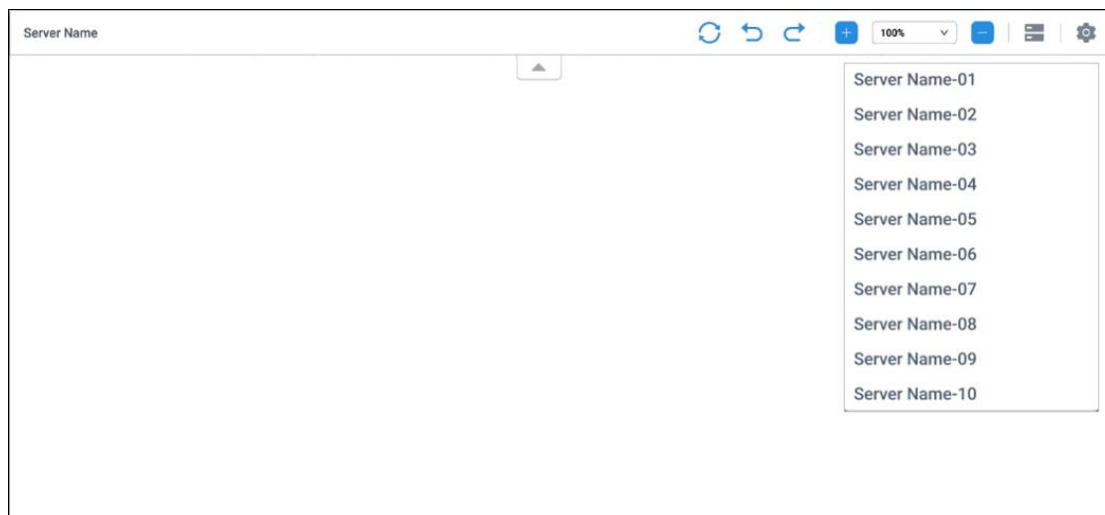
System	
<p>After exporting the current settings (such as brightness, beep, backlight duration, etc.) to a file, you can import them into the screen to batch-set the parameters.</p> <div> <div>System Settings</div> <div> <div>Import Settings</div> <div>Export Settings</div> <div>Restore Factory Settings</div> </div> <div> <div>Import</div> <div>Export</div> <div>Restore</div> </div> </div>	
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.

<ul style="list-style-type: none"> <li>General</li> <li>Network</li> <li>Screen</li> <li>Browser</li> <li>System</li> <li>About</li> </ul>	Version Information			
	System	Chrome Kernel	Kernel	Rootfs
	362	100	6169	28588
Device Serial Number				
123456789098765				

### 3.Introduction to the Navigation Bar of the Browser Page



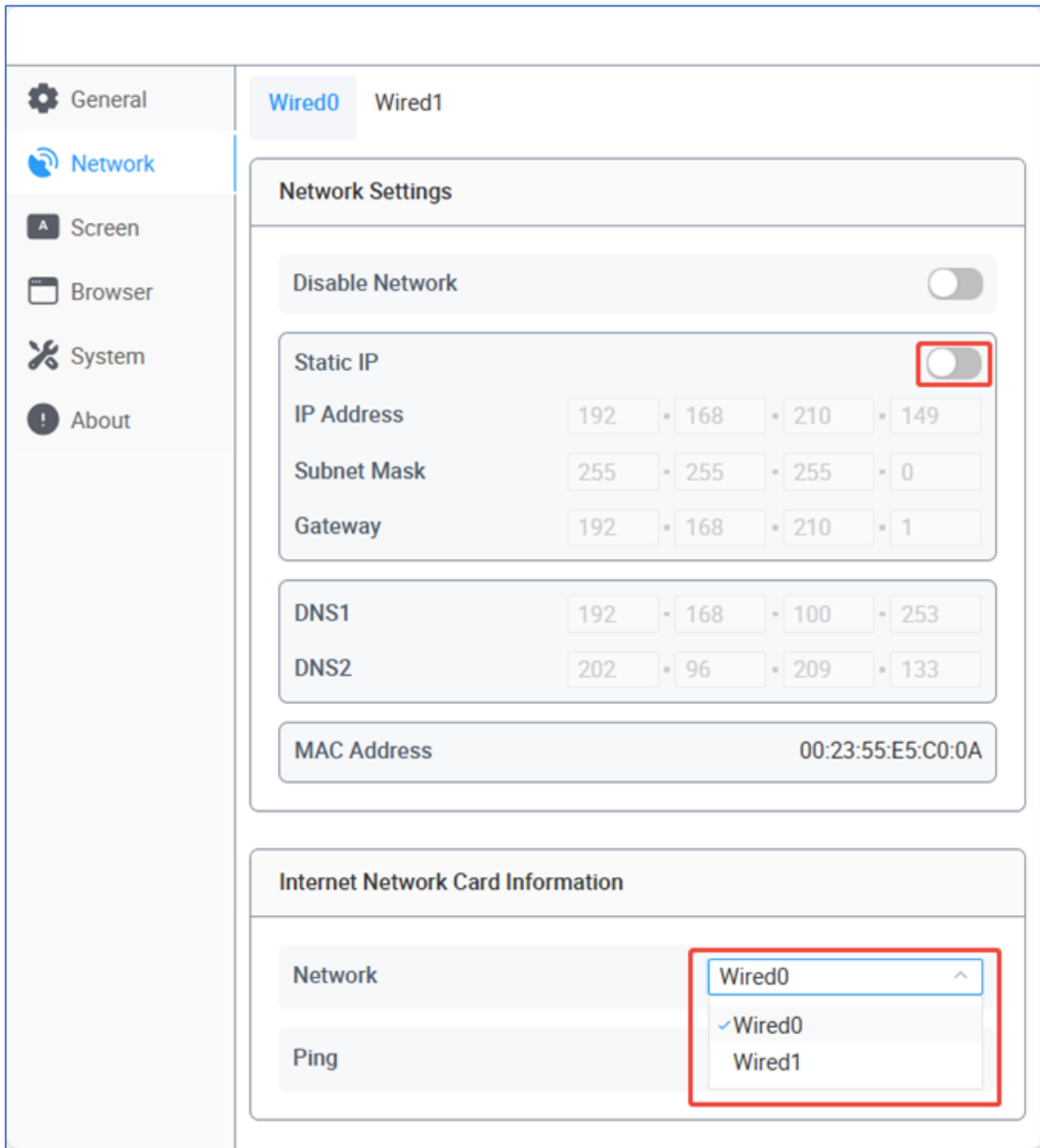
	The navigation bar will pop up and automatically retract and hide if no operation is performed within five seconds.
	Return to the browser homepage.
	Refresh the browser.
	Go back to the previous webpage.
	Go forward to the next webpage.
	Zoom in on the webpage.
	Zoom out on the webpage.
	Filter URLs.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

The screenshot shows the 'Network Settings' window for the 'Wired0' interface. The 'Static IP' toggle is turned on. The IP address is set to 192.168.210.149, the Subnet Mask to 255.255.255.0, and the Gateway to 192.168.210.1. The DNS1 is 192.168.100.253 and DNS2 is 202.96.209.133. The MAC Address is 00:23:55:E5:C0:0A. The 'Internet Network Card Information' section shows 'Wired0' selected in the 'Network' dropdown. A 'Test' button is visible at the bottom right of the 'Internet Network Card Information' section.

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

This screenshot shows the same 'Network Settings' window after the 'Test' button has been clicked. A red box highlights the 'Test' button, with a red arrow pointing to it from the bottom right. Above the 'Network Settings' section, a green circle with a checkmark and the text 'Ping Success' is displayed, indicating that the network configuration is correct.

## 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.

