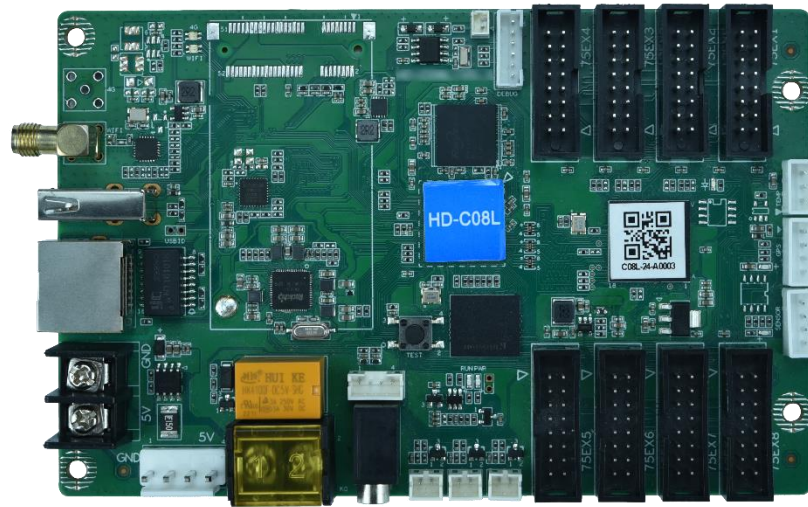


User Manual



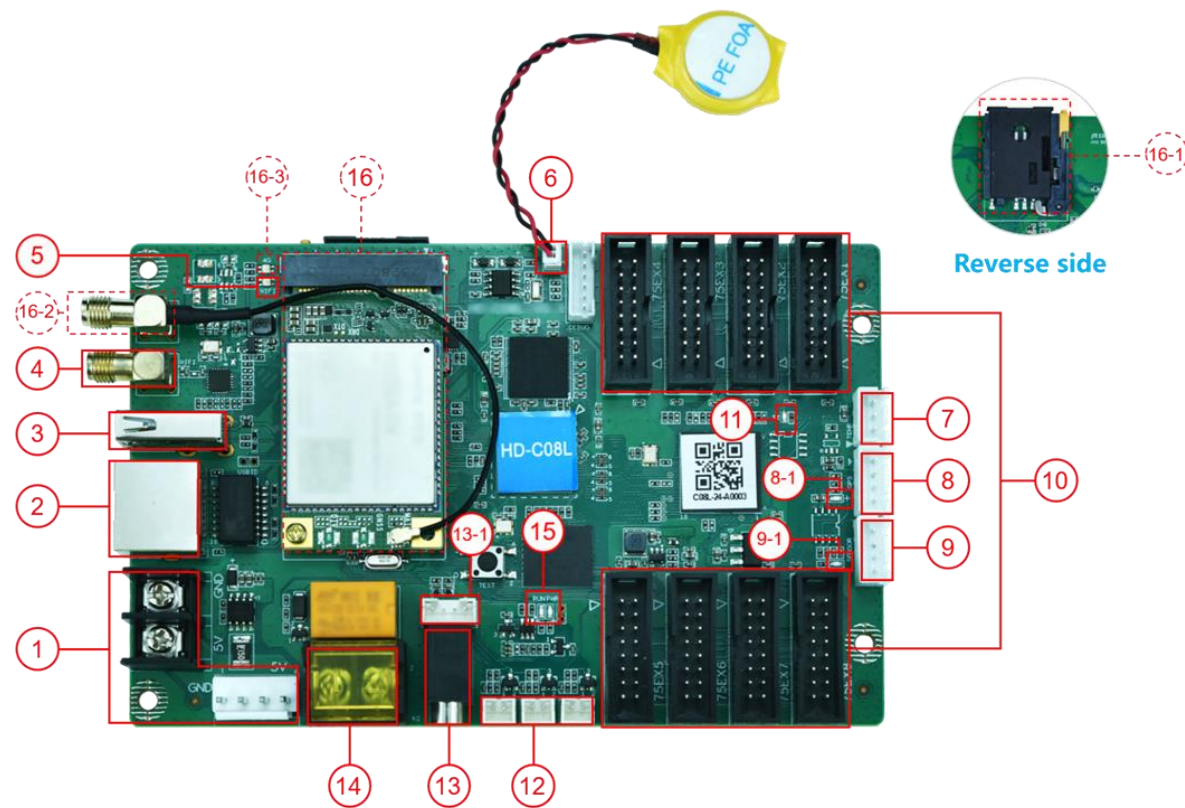
HD-C08L

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Chapter 1 Interface connection



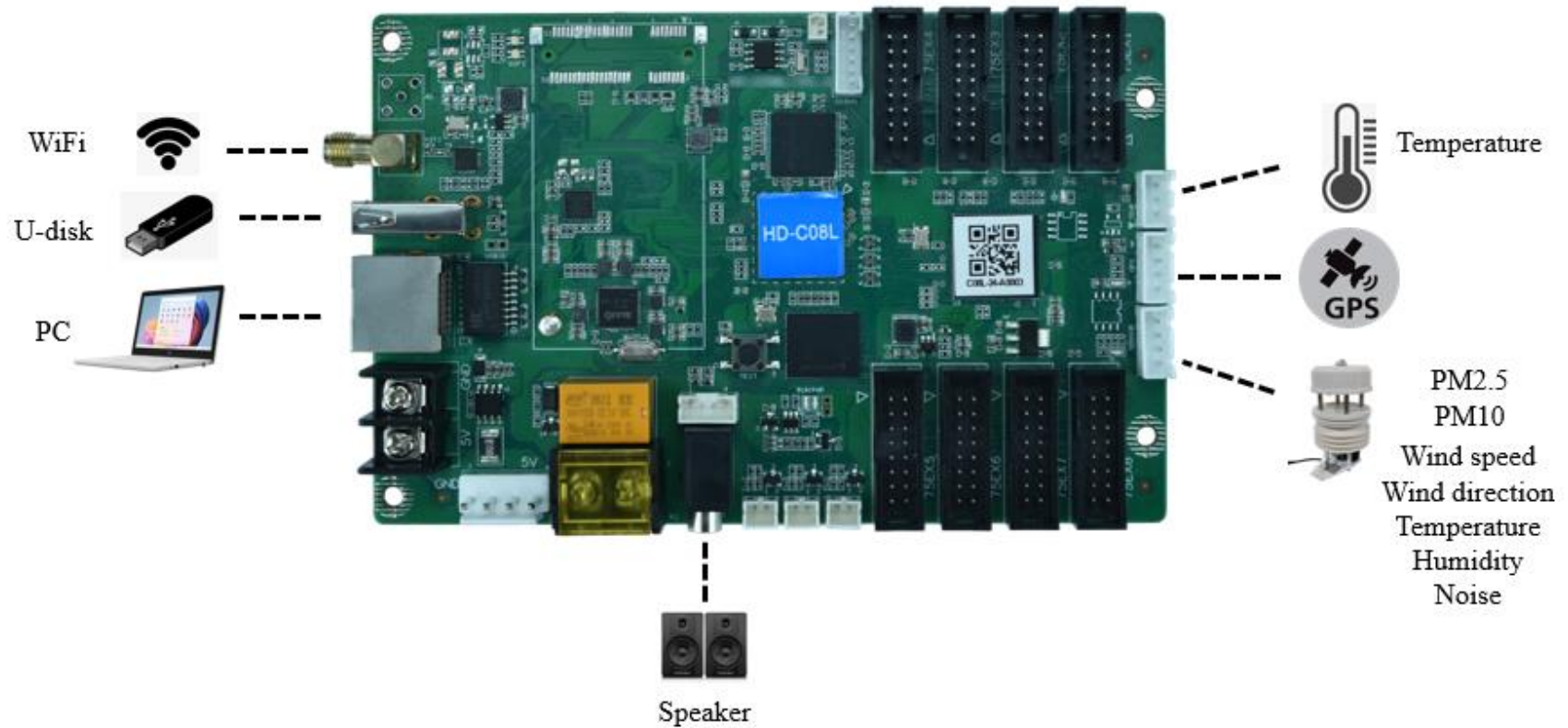
1.1 HD-C08L Appearance and interface

No.	Name	Function
1	Power Supply port	DC 5V
2	Ethernet network port	100M input network port communication, connect to computer to debug and publish programs, used to access LAN or Internet
3	USB	Used to update programs or expand capacity
4	Wi-Fi antenna	Connect Wi-Fi antenna to enhance wireless signal
5	Wi-Fi indicator light	AP mode: ①The AP mode is normal and the green light flashes; ②The module cannot be detected and the light does not light up; ③Cannot connect to the hotspot and the red light flashes; STA mode: ①STA mode is normal and the green light is always on; ②The bridge cannot connect to the Wi-Fi hotspot and the red light is always on; ③Unable to connect to the server, the yellow light is always on.
6	Battery interface	Connect the 2PIN RTC battery
7	TEMP interface	Connect a temperature sensor to monitor the surrounding

		environment temperature in real time
8	GPS interface	<p>① When detecting that there is no GPS signal, the light does not light up;</p> <p>② When the GPS star search number < 4, the green light flashes;</p> <p>③ When the GPS star search number >= 4, the green light is always on.</p>
8-1	GPS indicator light	Connect to GPS module for positioning and time adjustment
9	Sensor interface	External temperature, humidity, brightness, wind speed, wind direction, noise, PM2.5, PM10, CO ₂ and other sensors
9-1	Sensor indicator light	The sensor is connected normally, and the indicator light is flashing
10	HUB75E interface	Connect HUB75 (B/D/E) interface module
11	Display indicator light	If the green light flashes, the FPGA system is running normally; if the green light is on or off, the system is running abnormally.
12	3 sets of CTRL	Switching quantity detection, detecting 12V level input, controlling on/off screen
13	TRS Audio output	TRS 3.5mm standard two-channel audio output port
14	Relay	Relay on/off, supports maximum load: AC 250V~3A or DC 30V-3A
15	System indicator light	<p>PWR: Power indicator light, green light is always on, power input is normal</p> <p>RUN: System running light. If the green light flashes, the system is running normally; if the green light is always on</p>

		or off, the system is running abnormally.
16	PCIE-4G socket	4G module socket (optional function, installed with 4G antenna by default)
16-1	SIM card holder	Used to install 4G data card and provide networking function (optional, supports optional eSIM card)
16-2	4G antenna installation port	External 4G antenna to enhance 4G signal
16-3	4G communication indicator light	<ul style="list-style-type: none"> ①The green light is always on, and the connection to the cloud server is successful; ②The yellow light is always on and cannot connect to the cloud service; ③The red light is always on, there is no signal or the SIM is in arrears or cannot dial; ④The red light flashes and the SIM cannot be detected; ⑤The light does not light up and the module cannot be detected.

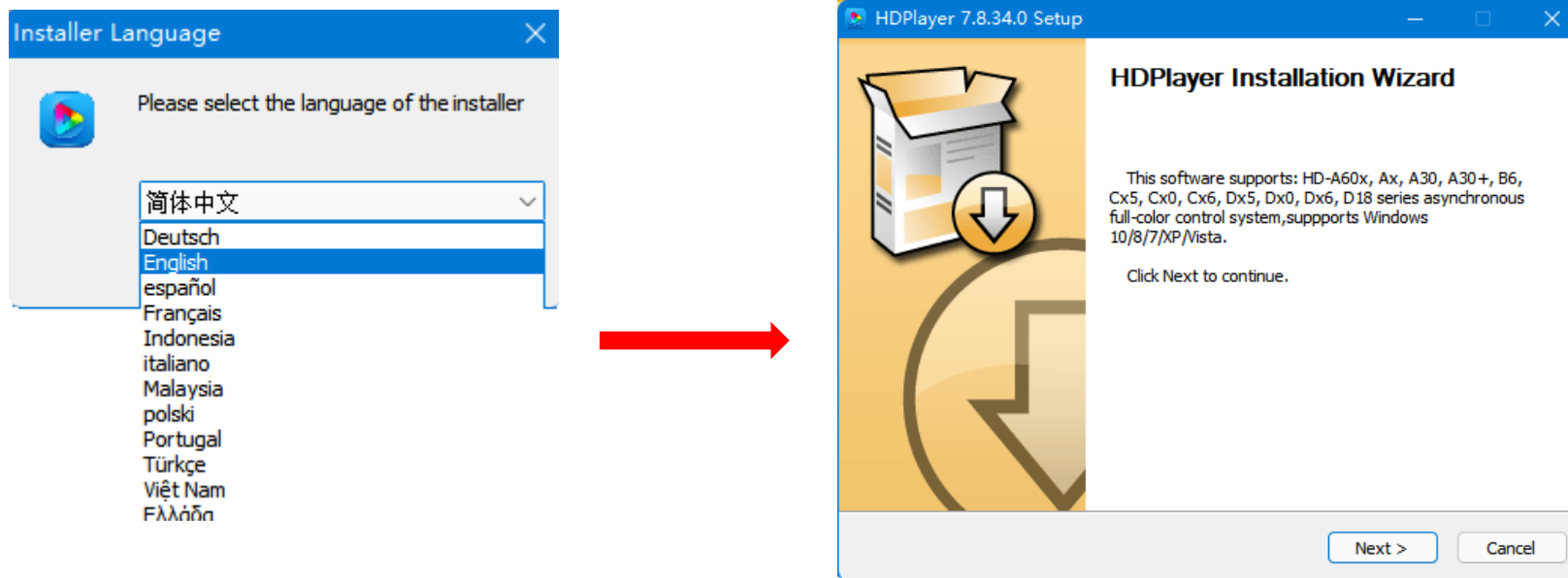
1.2 Hardware connection



Chapter 2 HDPlayer installation

Please download the installation package of HDPlayer software from Huidu's official website www.huidu.cn, and complete the installation according to the diagrams below:

1.Run the software package,then select language for installer. Click [OK] to go on.

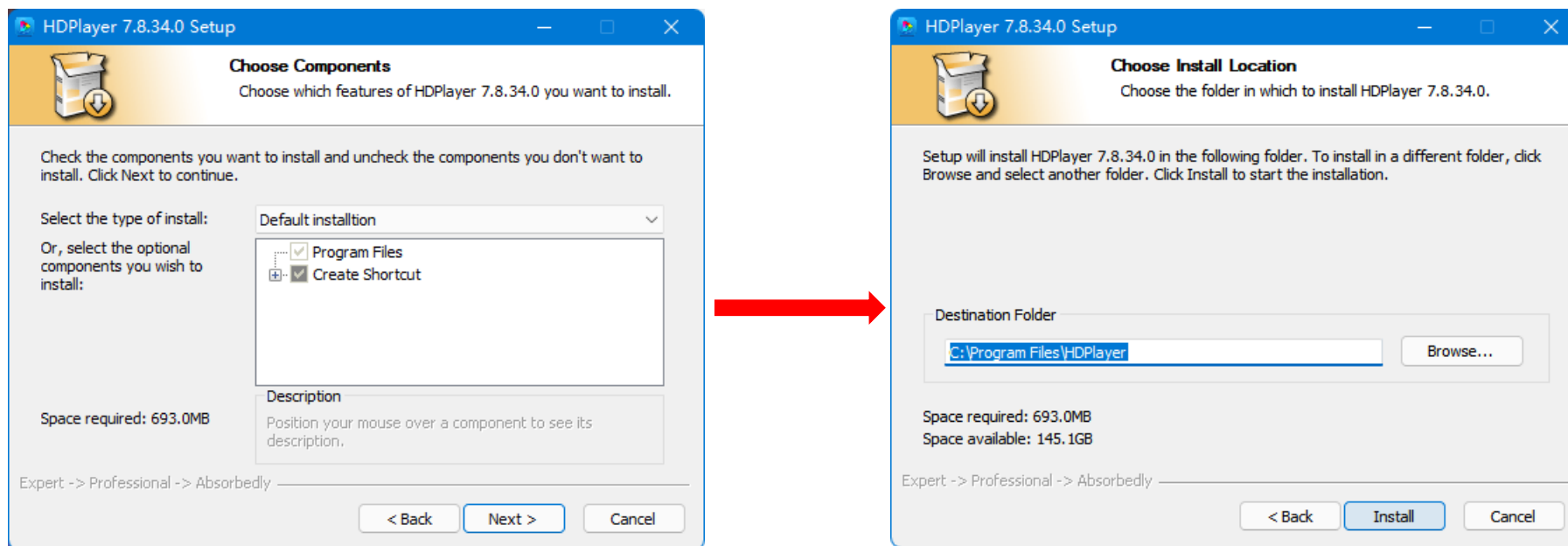


2. After selecting a language, an installation wizard like below will appear. Click [Next].

Choose components, default installation.

Choose the installation location, click [Browse] to change the default target location, then click [Install] after completing;

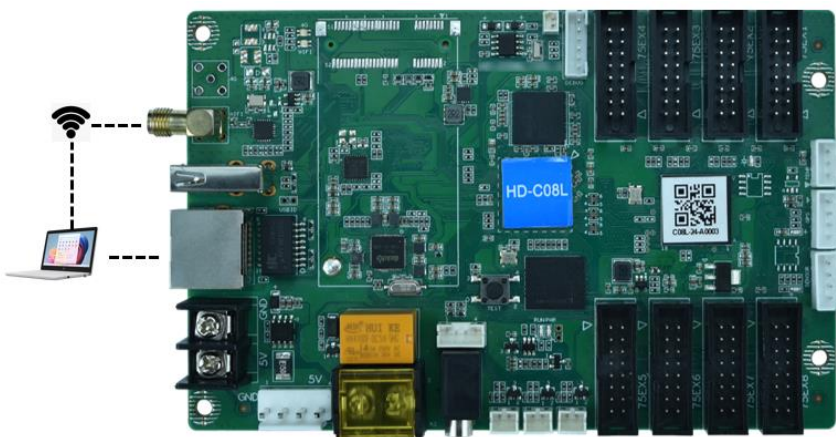
After the installation is complete, you are ready to use HDPlayer.



Chapter 3 HD-C08L Parameter settings

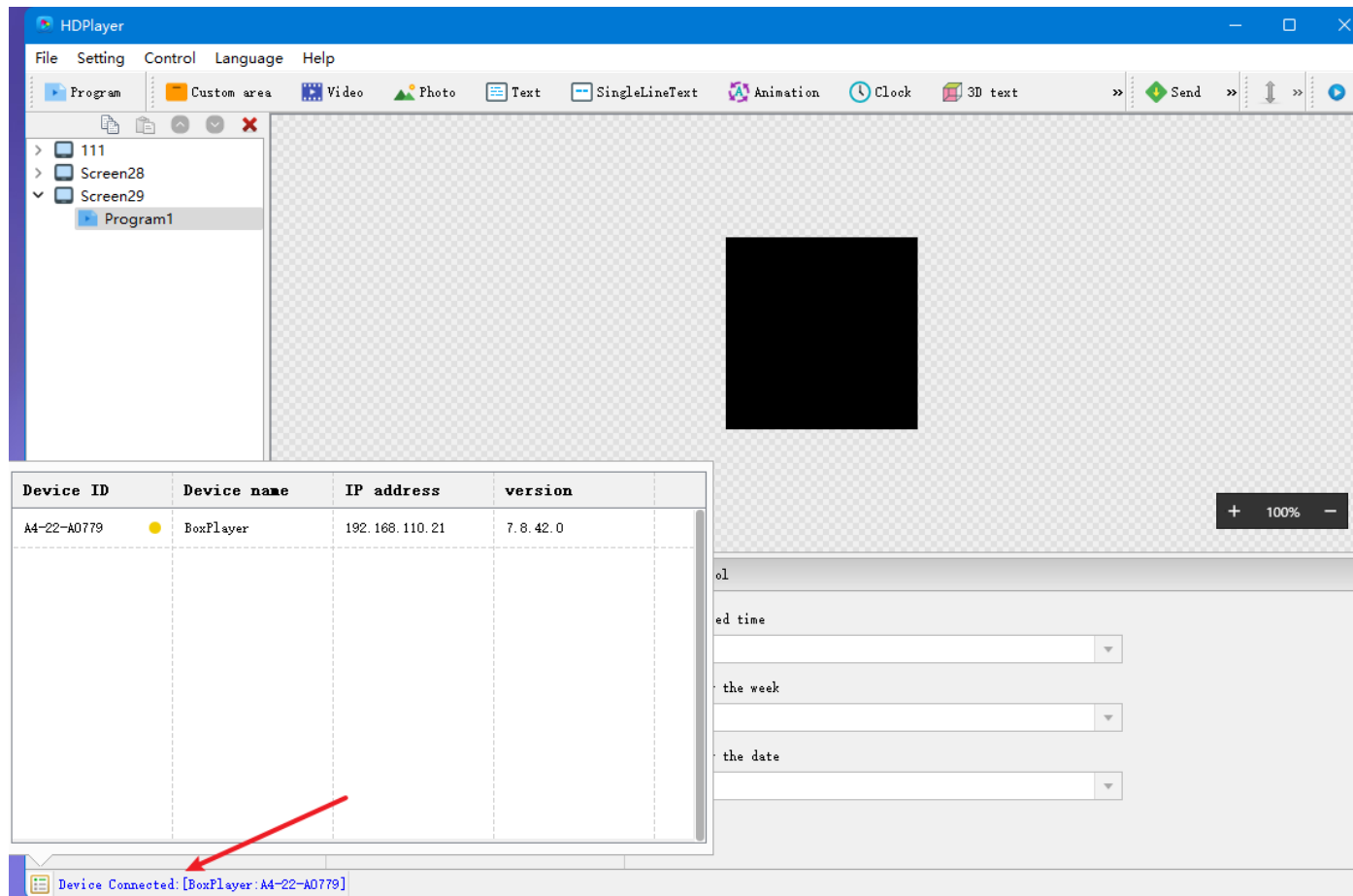
3.1 Connection

Connect the C08L to the computer by net cable or WiFi(Default password:88888888).

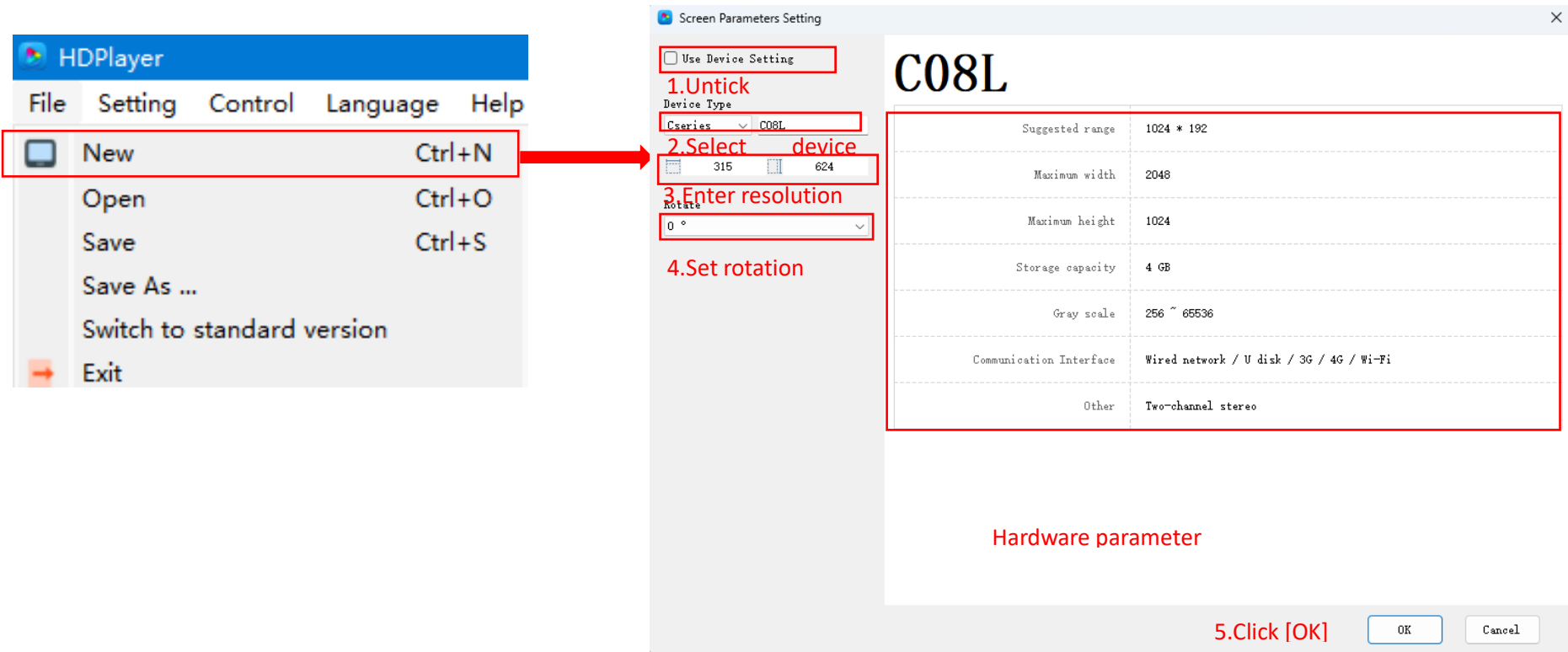


3.2 Basic Setting

1.Run the HDPlayer software then it shows the C08L connected at the left-down corner.



2.You need to create a new screen, then set the screen parameters. Click [OK] after you finish the setting.



HDPlayer

File Setting Control Language Help

New Ctrl+N

Open Ctrl+O

Save Ctrl+S

Save As ...

Switch to standard version

Exit

Screen Parameters Setting

Use Device Setting

1. Untick

Device Type

Cseries C08L

2. Select device

315 624

3. Enter resolution

Rotate

0°

4. Set rotation

C08L

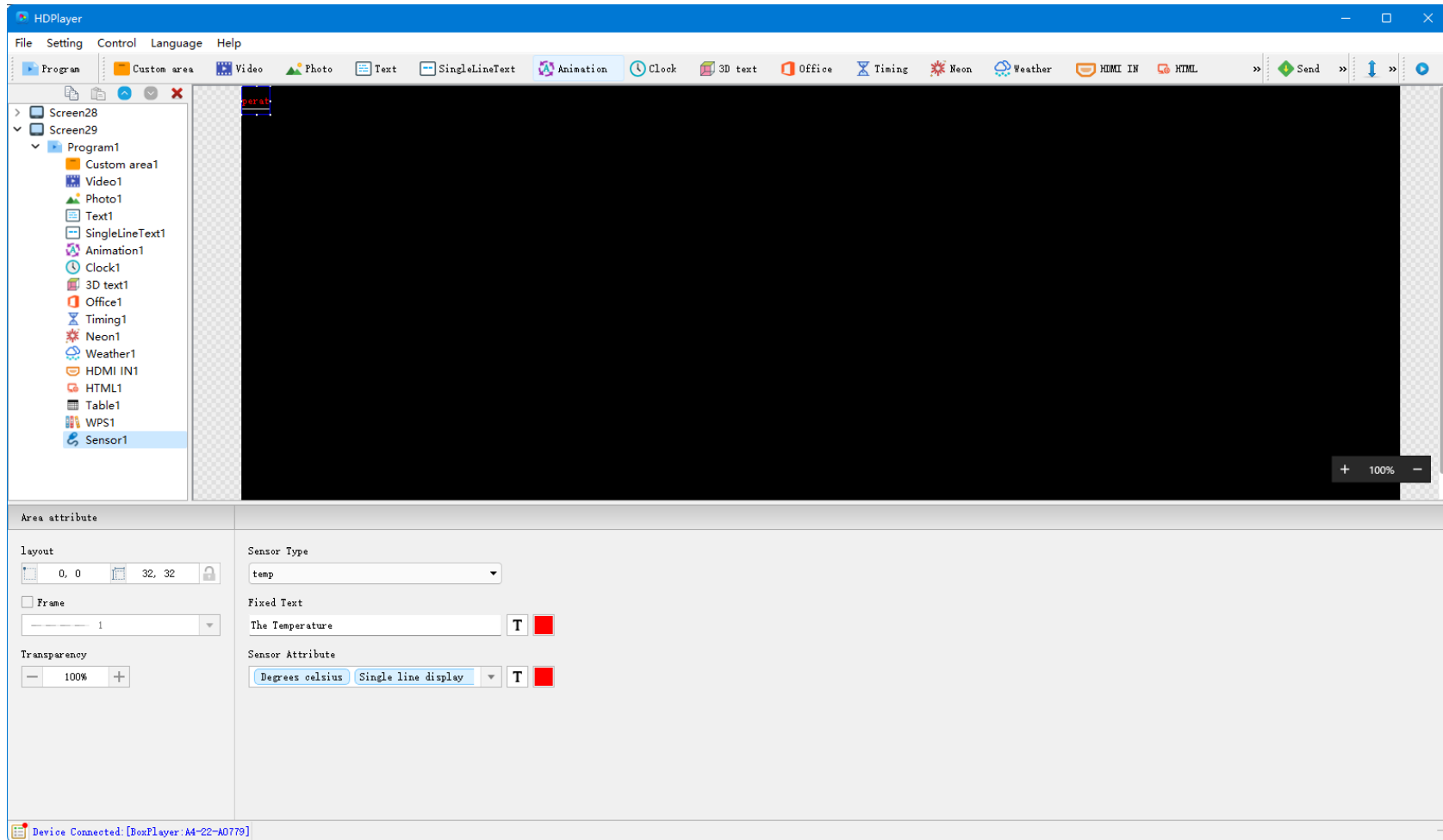
Suggested range	1024 * 192
Maximum width	2048
Maximum height	1024
Storage capacity	4 GB
Gray scale	256 ~ 65536
Communication Interface	Wired network / U disk / 3G / 4G / Wi-Fi
Other	Two-channel stereo

Hardware parameter

5. Click [OK]

OK Cancel

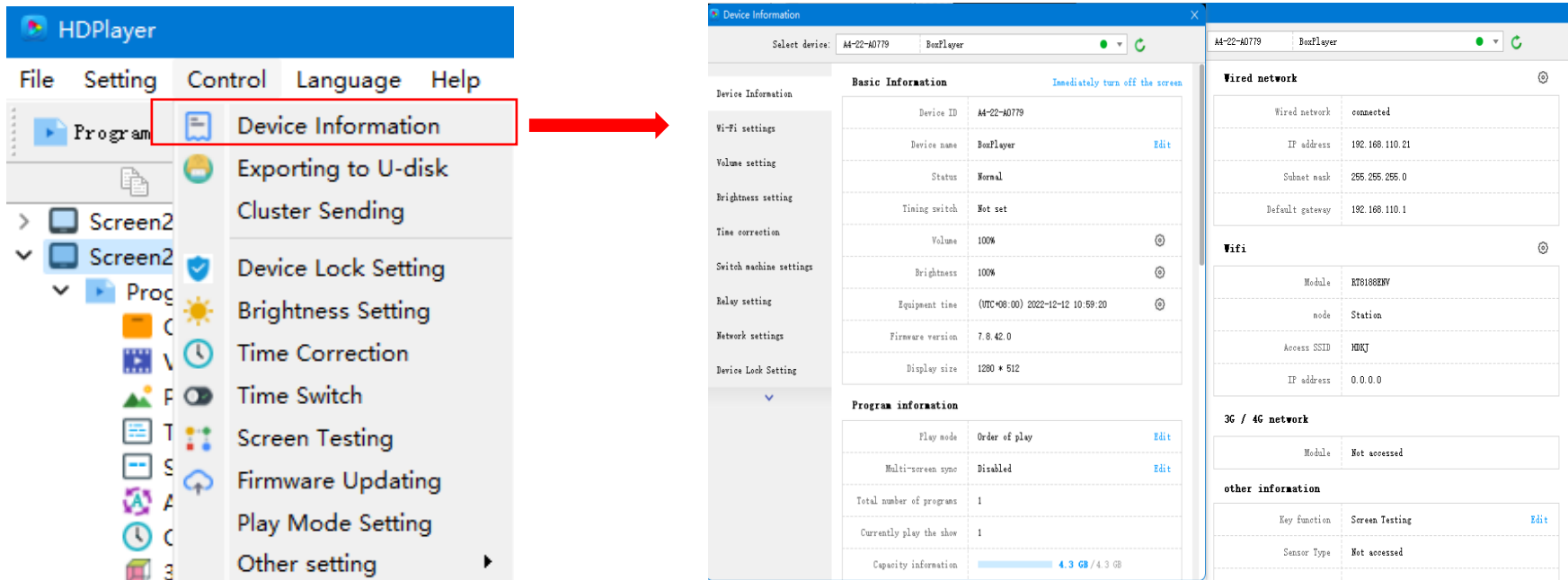
3. After the previous steps, you can begin to edit the program.



3.3 More setting

3.3.1 Device information

You can view the running status of the device in the device information.



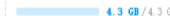
The image shows the HDPlayer software interface. On the left, the 'Device Information' menu item is highlighted with a red box, and a red arrow points to the 'Device Information' window on the right. The window displays the following information:

Select device: A4-22-A0779 BozPlayer

Basic Information Immediately turn off the screen

Device ID	A4-22-A0779
Device name	BozPlayer Edit
Status	Normal
Timing switch	Not set
Volume	100% ⊕
Brightness	100% ⊕
Equipment time (UTC+08:00)	2022-12-12 10:59:20 ⊕
Firmware version	7.8.42.0
Display size	1280 * 512

Program information

Play mode	Order of play Edit
Multi-screen sync	Disabled Edit
Total number of programs	1
Currently play the show	1
Capacity information	 4.3 GB / 4.3 GB

Wired network ⊕

Wired network	connected
IP address	192.168.110.21
Subnet mask	255.255.255.0
Default gateway	192.168.110.1

Wifi ⊕

Module	RTL8822BEV
mode	Station
Access SSID	HDXJ
IP address	0.0.0.0

3G / 4G network

Module	Not accessed
--------	--------------

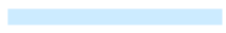
other information

Key function	Screen Testing Edit
Sensor Type	Not accessed

Play mode: Support single program loop and order of play.

Multi-screen Sync: Default setting is disable. If you want multiple screens to play synchronously, please enable.

Program information

Play mode	Order of play	Edit
Multi-screen sync	Disabled	Edit
Total number of programs	1	
Currently play the show	1	
Capacity information	 4.3 GB / 4.3 GB	



Order of play ✓ ✕
 Single program loop
 Order of play

Disabled ✓ ✕
 Disabled
 Enabled

View the 3/4G network and sensor status.

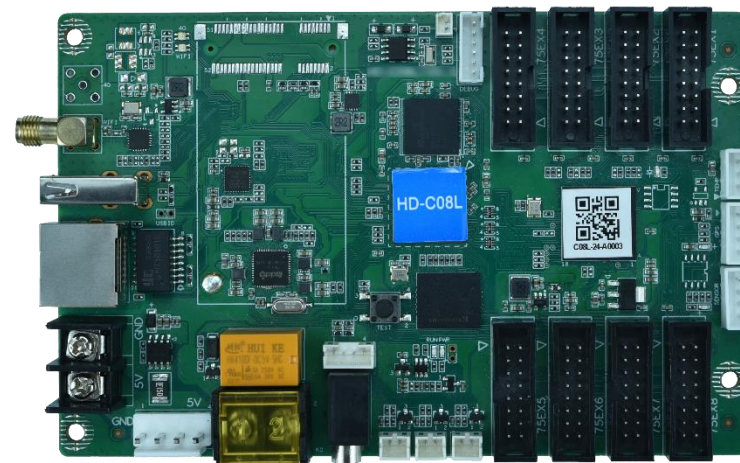
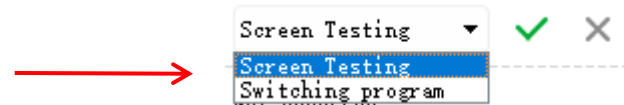
Key function: Screen testing or switch program

3G / 4G network

Module	Not accessed
--------	--------------

other information

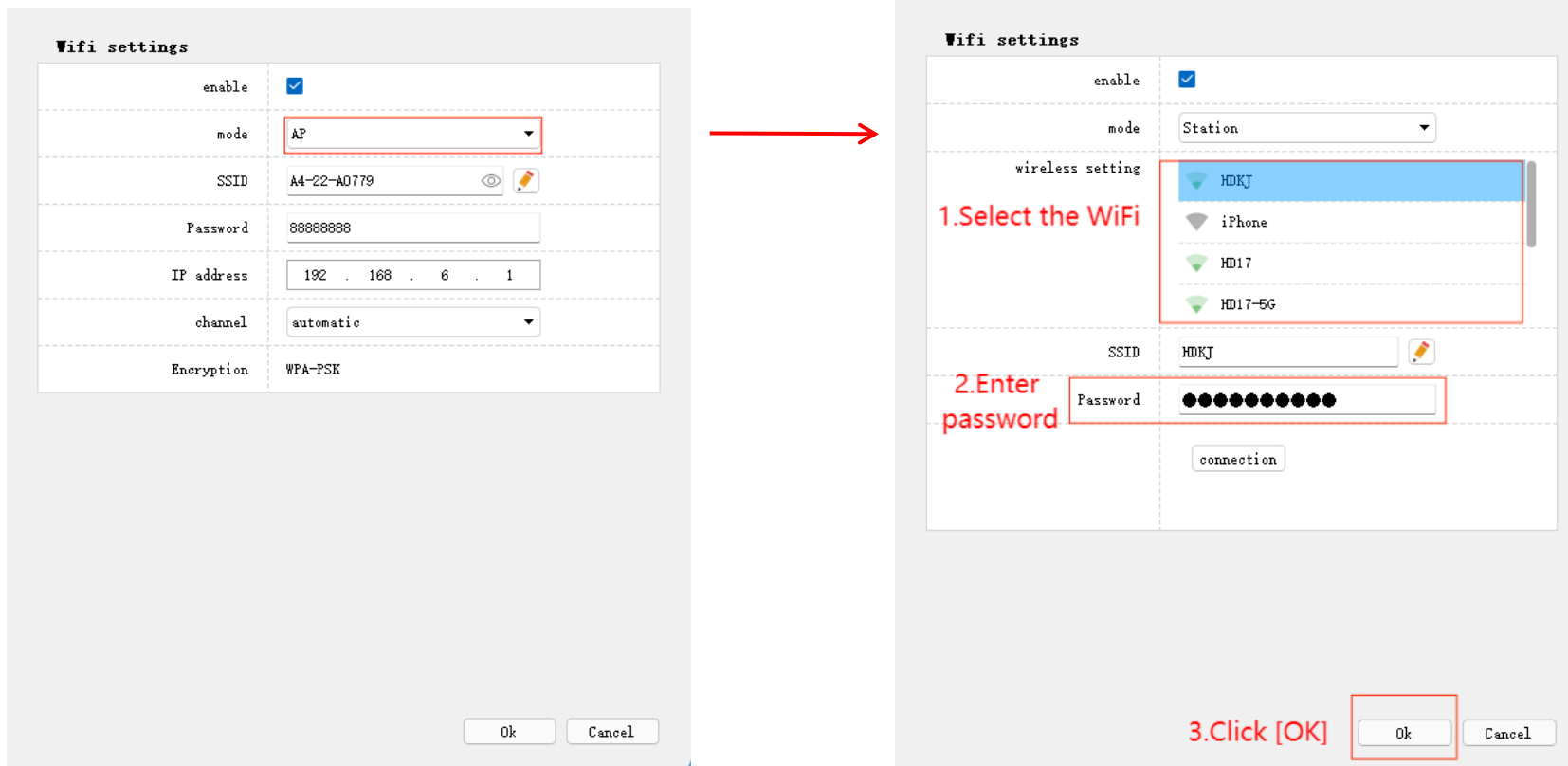
Key function	Screen Testing	Edit
Sensor Type	Not accessed	
Brightness sensor	Not accessed	
Temperature Sensor	Not accessed	
Humidity Sensor	Not accessed	
GPS +	Not accessed	
Wind power	Not accessed	
Wind Direction	Not accessed	
Noise	Not accessed	
Pressure	Not accessed	
Co2	Not accessed	



3.3.2 WiFi setting

Edit WiFi switch, mode, name and password, etc.

Station mode enable C08L connect to the wireless network.



The image shows two screenshots of the WiFi settings interface, connected by a red arrow indicating a sequence of steps.

Left Screenshot (Initial Settings):

- enable:**
- mode:** AP
- SSID:** A4-22-A0779
- Password:** 88888888
- IP address:** 192 . 168 . 6 . 1
- channel:** automatic
- Encryption:** WPA-PSK

Right Screenshot (Station Mode Settings):

- enable:**
- mode:** Station
- wireless setting:** HDKJ (selected), iPhone, HD17, HD17-5G
- SSID:** HDKJ
- Password:** [Redacted]
- connection:** connection

Red annotations on the right screenshot indicate the steps:

1. Select the WiFi
2. Enter password
3. Click [OK]


3.3.3 Volume setting

Fixed mode: set fixed volume

According to the time period: Set the time frame.

Volume Setting

mode: fixed

Volume:  100%

Drag this to set fixed Volume

OK Cancel

Volume Setting

mode: According to the time period

1. Edit time period 2. Set Volume

100% 60% 30%

3. View the Onset time table

Onset time		
1	08:00:00 ~ 18:00:00	100%
2	18:00:00 ~ 22:00:00	60%
3	22:00:00 ~ 08:00:00	30%

4. Click [OK]

OK Cancel

3.3.4 Brightness setting

Default mode: Set fixed brightness

Custom mode: Set the time frame for brightness

Automatic mode: C08L automatically change Brightness according to the sensor.

Sensitivity Indicates the frequency of detection.[High] means every 5 seconds;[in] mean 10;[low] mean 15.

You'd better set Brightness monitoring interval to 3400-7000.

Brightness setting

Select mode mode Default mode

Brightness 100%

Brightness monitoring interval 3400 18000

Drag this to set fixed brightness

Ok Cancel

Brightness setting

mode Custom mode

Brightness monitoring interval 3400 18000

1.Edit time period

2.Set brightness

3400 18000

100% 60% 30%

+

Add more time period

Onset time

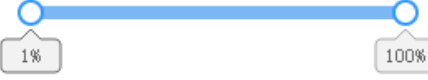

1	08:00:00 ~ 18:00:00	100%
2	18:00:00 ~ 22:00:00	60%
3	22:00:00 ~ 08:00:00	30%

3.View the onset time table

4.Click [OK]

Ok Cancel

Brightness setting

mode	Automatic mode
Sensitivity	high
Brightness range	
Brightness monitoring interval	

1. Select [high]

2. Set range you want

3. The best value is 3400-7000

4. Click [OK]

Ok	Cancel
----	--------

3.3.5 Time correction

Set the system time zone. C08L support summer time.

Automatic synchronization: NTP mean time correct by network. Set GPS if installed the GPS module. Set RF if installed the RF device.

time setting

System time zone	(UTC+08:00)Beijing, Chongqing, HongKong, Urunchi
summer time	<input type="checkbox"/>
Automatic synchronization	NTP ntp.huidu.cn
<input type="checkbox"/> Time correction	2022-12-12 14:14:40
Calibration mode	Synchronize the computer
	2022/12/12 14:14:40 ⓘ

Automatic synchronization

Automatic synchronization	NTP ntp.huidu.cn
<input type="checkbox"/> Time correction	2022-12-12 14:31:20
Calibration mode	ter

Ok Cancel

3.3.6 Switch machines setting

Set on/off time for C08L.

Enable the timer switch 1.Tick here to enable

	boot time	Off time
<input checked="" type="checkbox"/>	09:00:00	18:00:00
<input type="checkbox"/>	00:00:00	00:00:00
<input type="checkbox"/>	00:00:00	00:00:00
<input type="checkbox"/>	00:00:00	00:00:00



2.Set the boot and off time

3.Tick here to make it effective

4.Click [OK]

3.3.6 Relay setting

C08L supports relay installation.

	Relay name	Switch setting	
--	------------	----------------	--

Open Close OK Cancel

3.3.7 Network setting

Default is automatic acquisition. You can set fixed IP for C08L.

Network settings

Automatic acquisition	<input checked="" type="checkbox"/> Enabled	Untick to edit fixed IP
MAC	50 : 22 : d1 : a0 : 77 : 90	
IP address	192 . 168 . 110 . 21	
Subnet mask	255 . 255 . 255 . 0	
Default gateway	192 . 168 . 110 . 1	
DNS	255 . 255 . 255 . 255 ⓘ	



Network settings

Automatic acquisition	<input type="checkbox"/> Enabled	
MAC	50 : 22 : d1 : a0 : 77 : 90	
IP address	192 . 168 . 1 . 20	
Subnet mask	255 . 255 . 255 . 0	
Default gateway	192 . 168 . 1 . 1	
DNS	255 . 255 . 255 . 255 ⓘ	

1.Edit the fixed IP you want

Ok Cancel

2.Click [OK]

Ok Cancel

3.3.8 Device lock setting

Set password to lock the device. After that People without passwords will not be able to make operational changes to the device.

Device Lock

Enabled	<input type="checkbox"/>	1.Tick
New password	<input type="password"/>	2.Set password
Confirm password	<input type="password"/>	

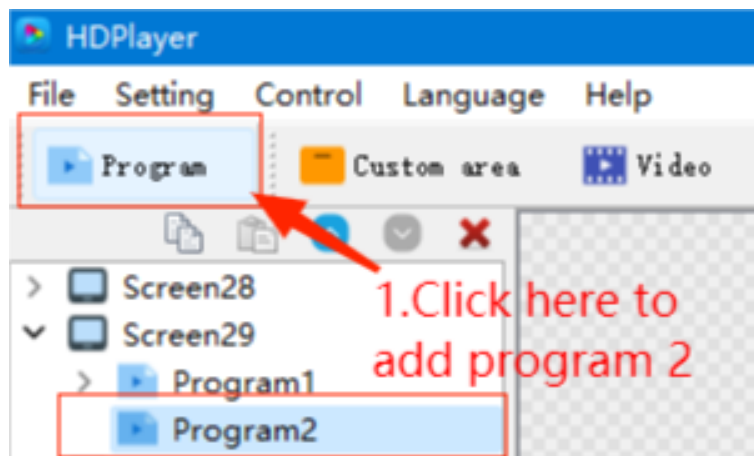
Note: Please save your password properly.

3.Click [OK]

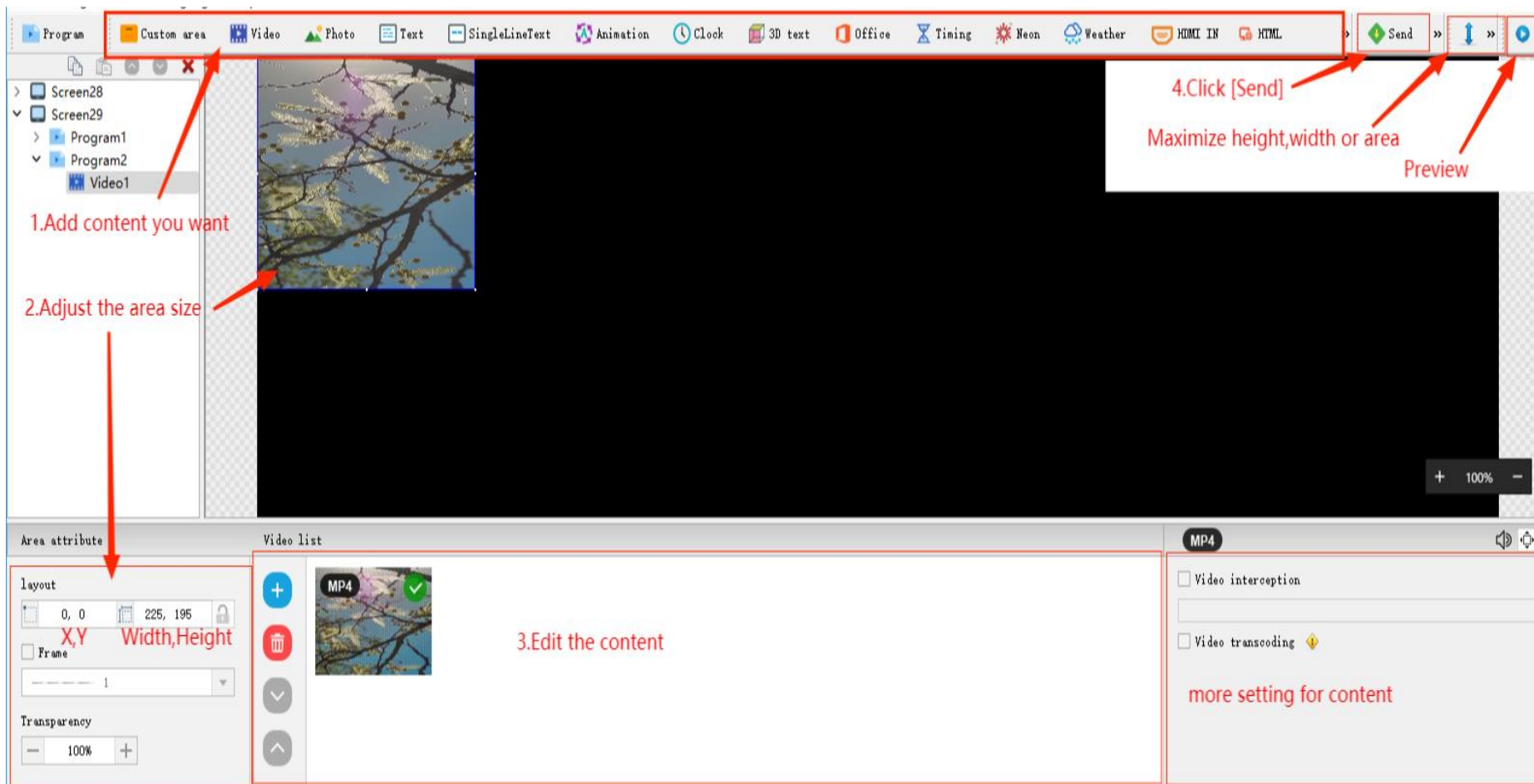
Chaper 4 Async Program Editing and Publishing

4.1 Publish programs by HDPlayer

1. Create new program



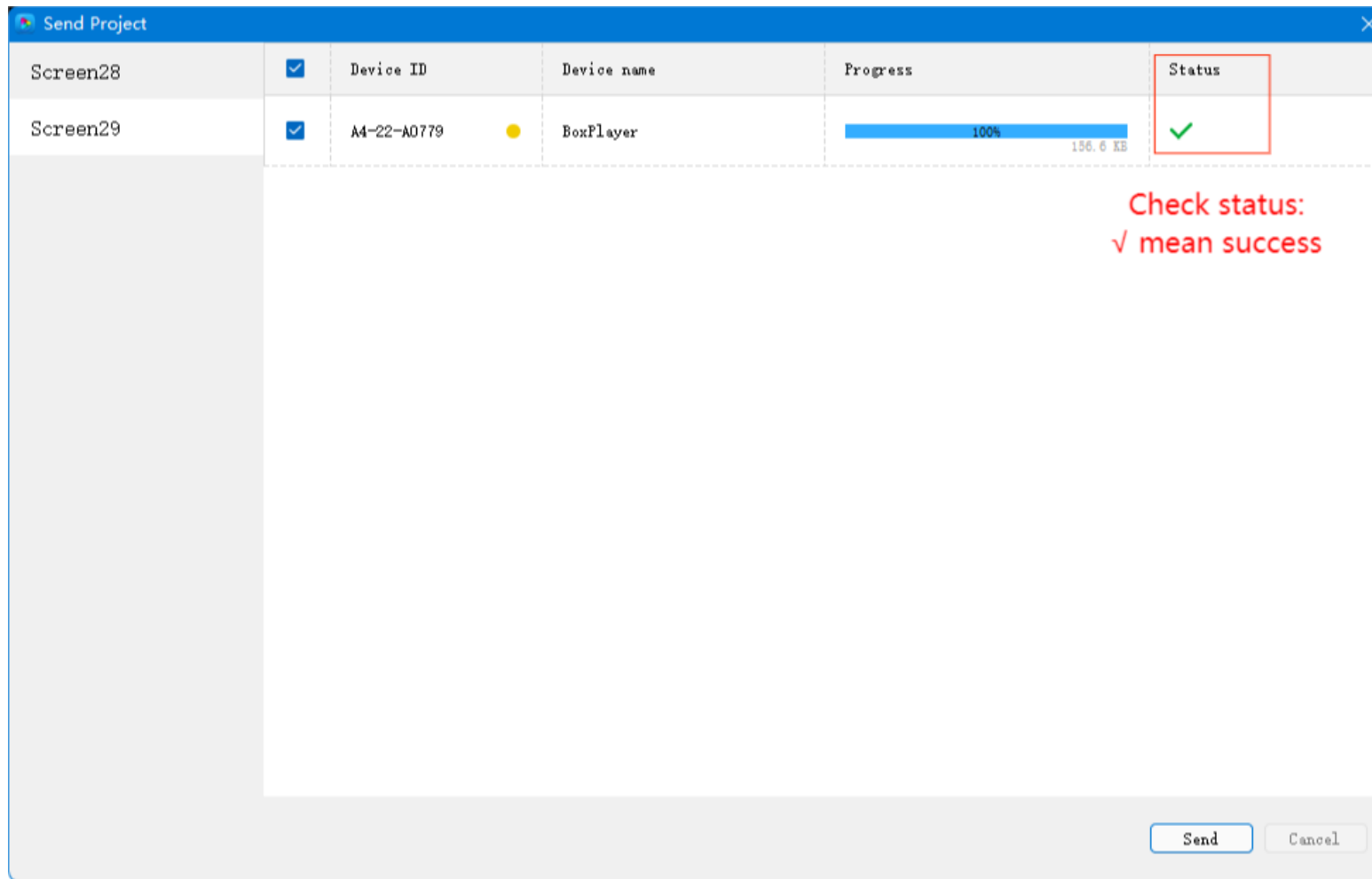
2.Add content into Program



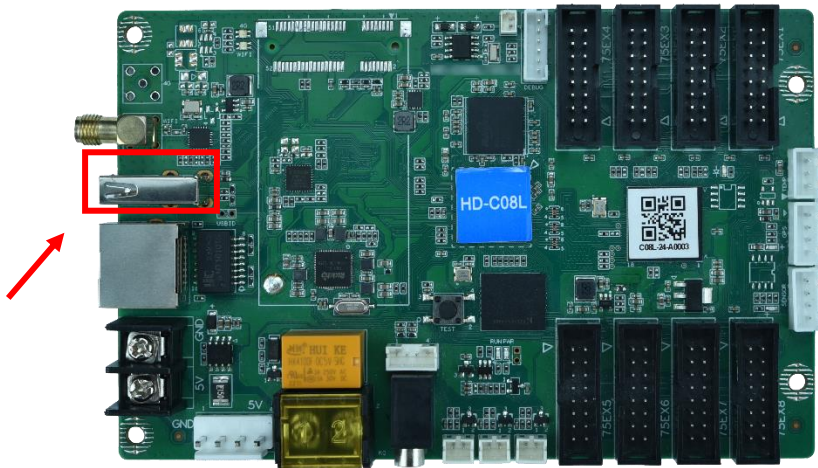
The screenshot displays a video editing software interface with several key components and annotations:

- Top Toolbar:** Contains various content types like Video, Photo, Text, and SingleLineText. A red box highlights this area, with an arrow pointing to the 'Video' icon and the text "1.Add content you want".
- Timeline/Program Area:** Shows a video clip being added to a program. An arrow points to the clip with the text "2.Adjust the area size".
- Bottom Left Panel (Area attribute):** Shows layout settings including X, Y, Width, Height, and Transparency. An arrow points to the 'Width, Height' fields with the text "3.Edit the content".
- Bottom Right Panel (Video list):** Shows a list of video assets, including an MP4 file. An arrow points to the MP4 icon with the text "3.Edit the content".
- Bottom Right Panel (Settings):** Shows options for Video interception and Video transcoding. An arrow points to these options with the text "more setting for content".
- Top Right Panel:** Contains a 'Send' button and a 'Preview' button. An arrow points to the 'Send' button with the text "4.Click [Send]". Another arrow points to the 'Preview' button with the text "Preview".

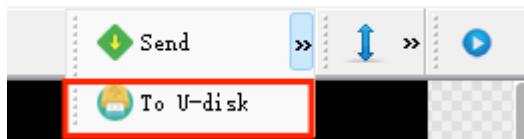
3. Sending interface



4.2 Publish programs by U-disk(FAT or FAT 32)



1. Export the program to the U-disk in HDPlayer



2. Publish the video and picture in the U-disk

Put the video and picture in the root catalog of U-disk

