

# User Manual



## HD-A4L

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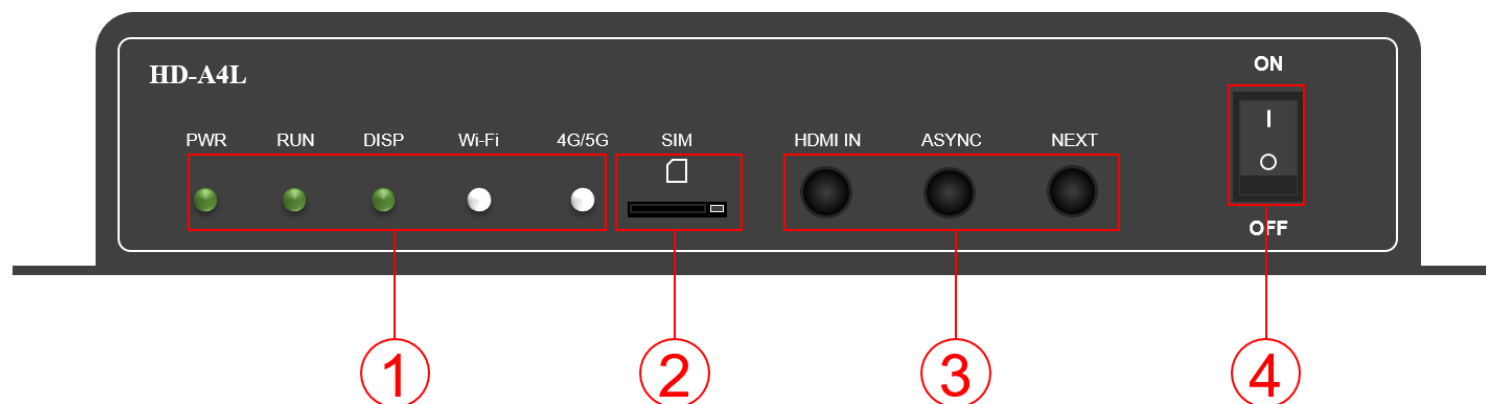
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## Chapter 1 Interface connection

### 1.1 HD-A4L Appearance and interface

Front panel:

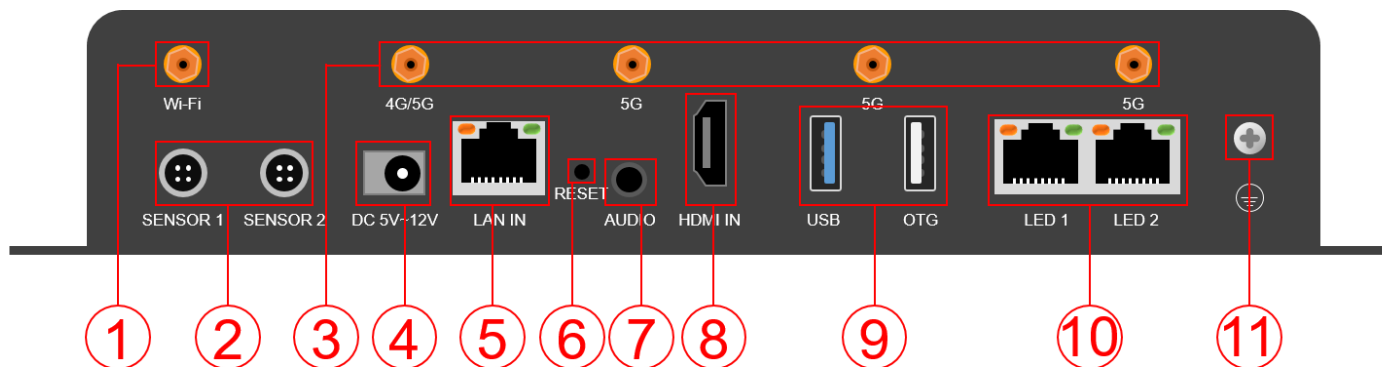


Serial number	Name	Description

1	Working light	<p><b>PWR</b>: Power indicator light, the green light is always on, and the power input is normal</p> <p><b>RUN</b>: System running light, the green light is flashing, the operating system is running normally; the green light is always on or off, the system is running abnormally</p> <p><b>DISP</b>: Display indicator, green light flashes, the FPGA system is running normally; the green light is always on or off and the system is running abnormally</p> <p><b>Wi-Fi</b>: Wireless indicator light, in AP mode, the green light is blinking; in STA mode, the green light is always on. The red light is blinking, the Wi-Fi is abnormal, and the light is off; the Wi-Fi bridge cannot connect to the server, and the yellow light is always on</p> <p><b>4G/5G</b>: Communication network indicator, green light is always on, the connection to the cloud server is successful; yellow light is always on, the cloud service cannot be connected; red light is always on, there is no signal or the SIM is in arrears or cannot dial; the red light is blinking, the SIM cannot be detected; No light, no module detected</p>
2	SIM card slot	Nano SIM card slot, providing 4G/5G networking for remote control (optional 4G/5G)

		module)
3	Function button	<p><b>HDMI IN:</b> HDMI signal input, synchronous playback</p> <p><b>ASYNC:</b> Asynchronous mode switching</p> <p><b>NEXT:</b> Switch program play</p>
4	Switch	Control the power of the player box, ON means power on and OFF means power off

**Rear panel:**



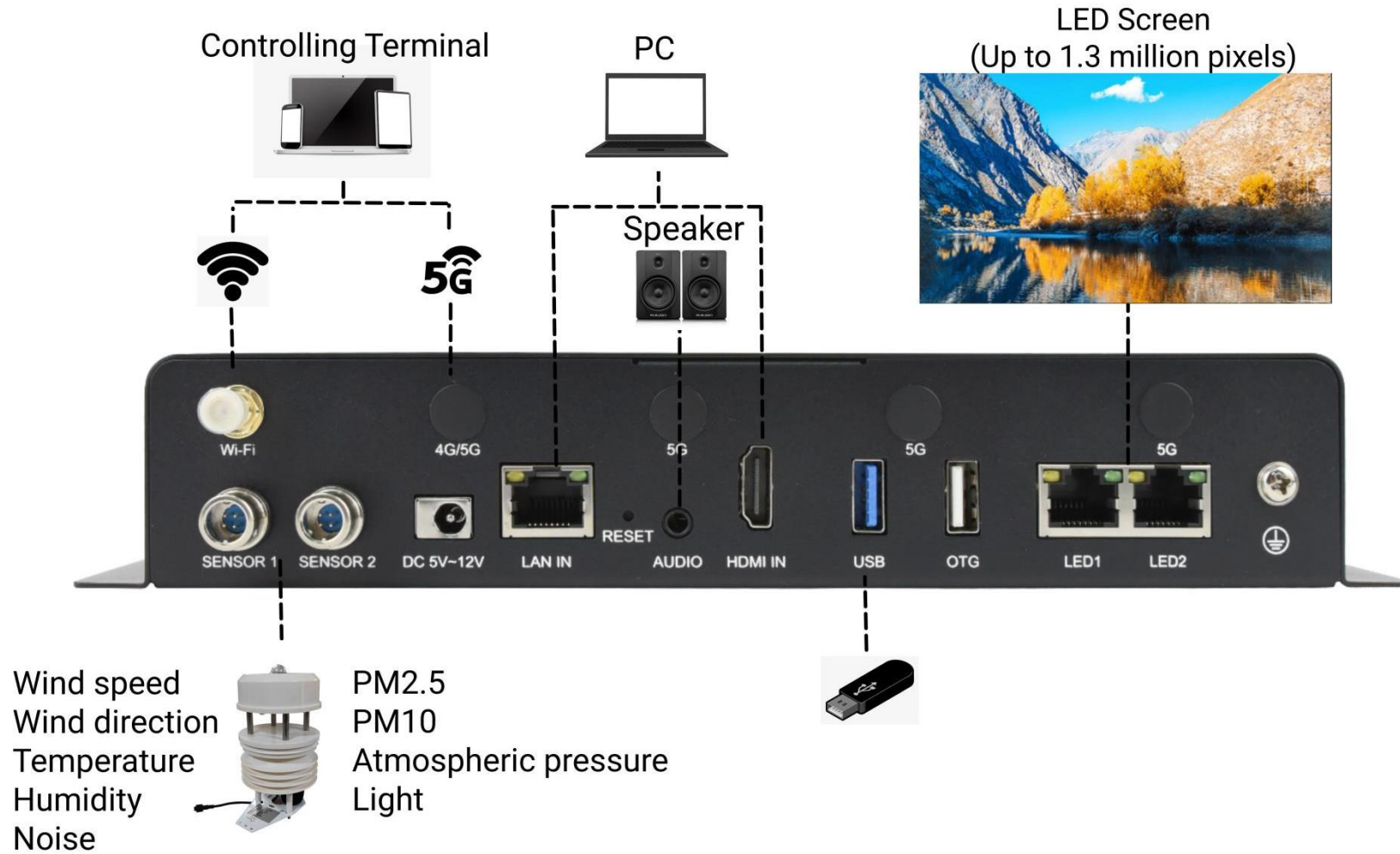
Serial	Name	Description
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number		
1	Wi-Fi antenna	Connect Wi-Fi antenna to enhance wireless signal
2	Sensor	External temperature, humidity, brightness, wind speed, wind direction, noise, PM2.5, PM10, CO <sub>2</sub> and other sensors
3	4G/5G antenna	Connect 4G/5G antenna (4G with 1 antenna, 5G with 4 antennas, optional)
4	Power supply	5V 3A ,12V 1.5A
5	Input network port	Gigabit input network port, connect to computer to debug and release programs, can be used to access LAN or Internet
6	Reset	Reset pinhole
7	Audio output	TRS 3.5mm standard two-channel audio output port
8	HDMI	<b>HDMI IN:</b> HDMI1.4 synchronous signal input interface, support adaptive scaling
9	USB	<b>USB:</b> USB3.0 for updating programs, inserting programs or expanding capacity <b>OTG:</b> Used for debugging or upgrading firmware (default USB 2.0 function, factory

		configurable)
10	Output network port	Gigabit output network port, cascaded with HD-R series receiving card
11	Ground wire	Ground wire connection port



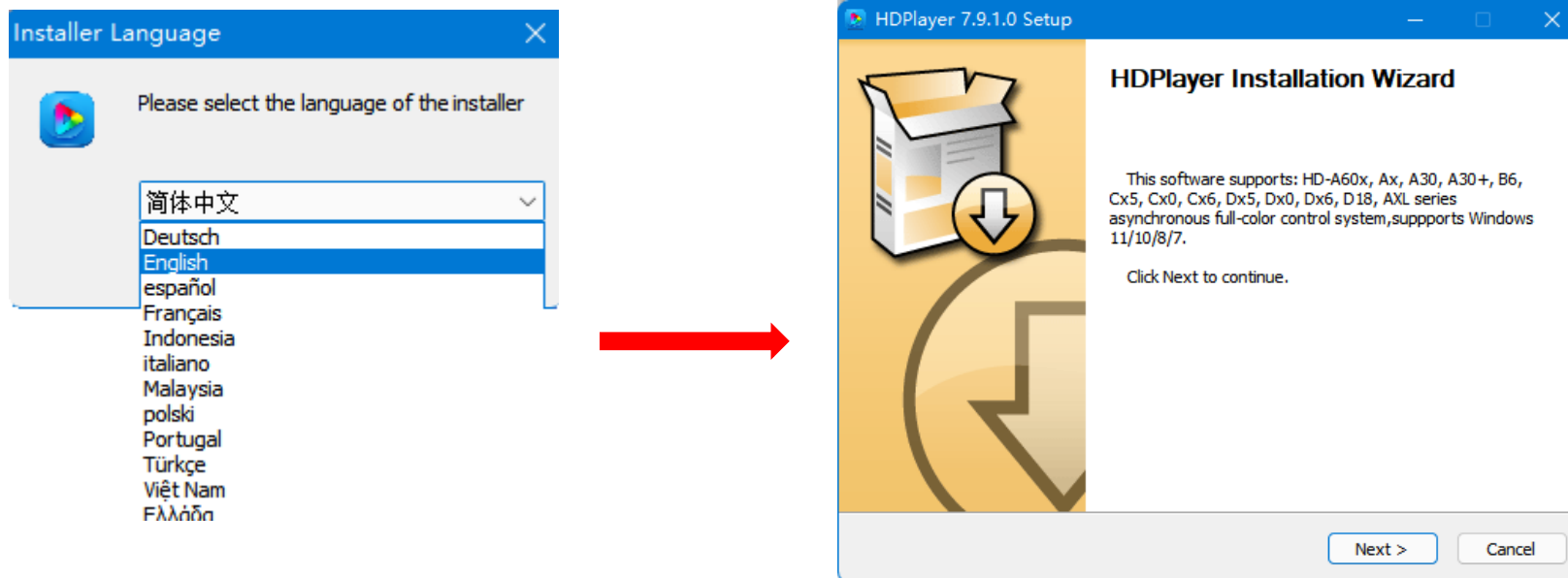
## 1.2 Hardware connection



## Chapter 2 HDPlayer installation

Please download the installation package of HDPlayer software from Huidu's official website [www.huidu.cn](http://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.

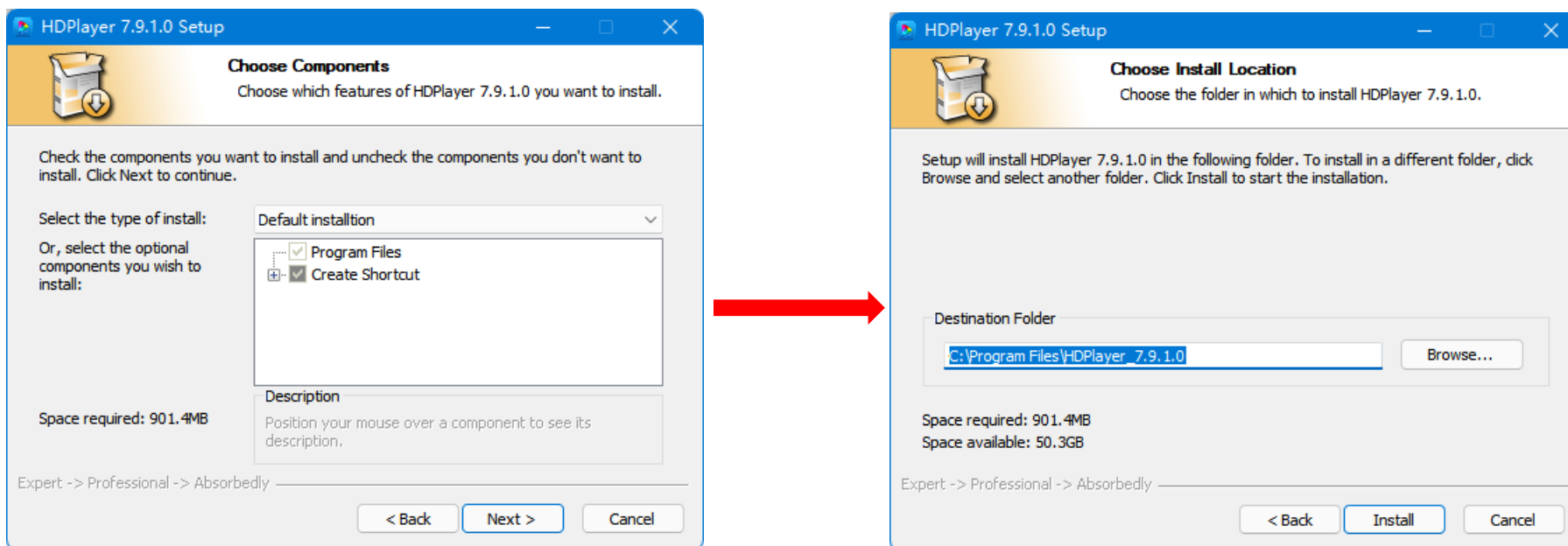


2. After selecting a language, an installation wizard like below will appear. Click [Next].

Choose components, default installation.

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

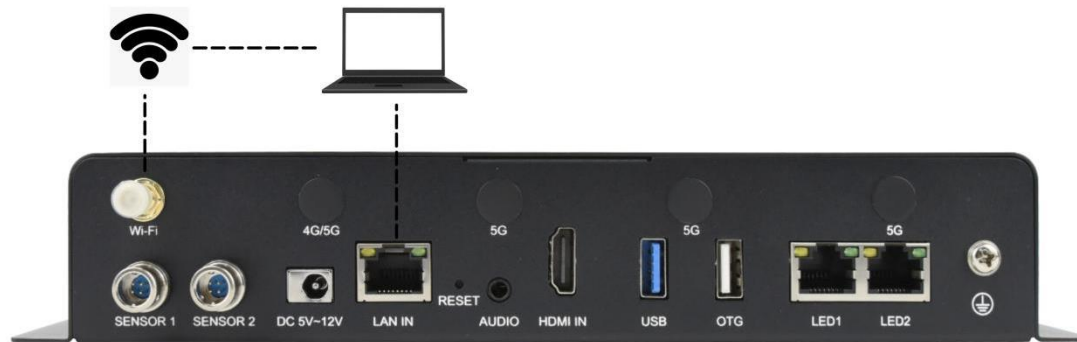
After the installation is complete, you are ready to use HDPlayer.



## Chapter 3 HD-A4L Parameter settings

### 3.1 Connection

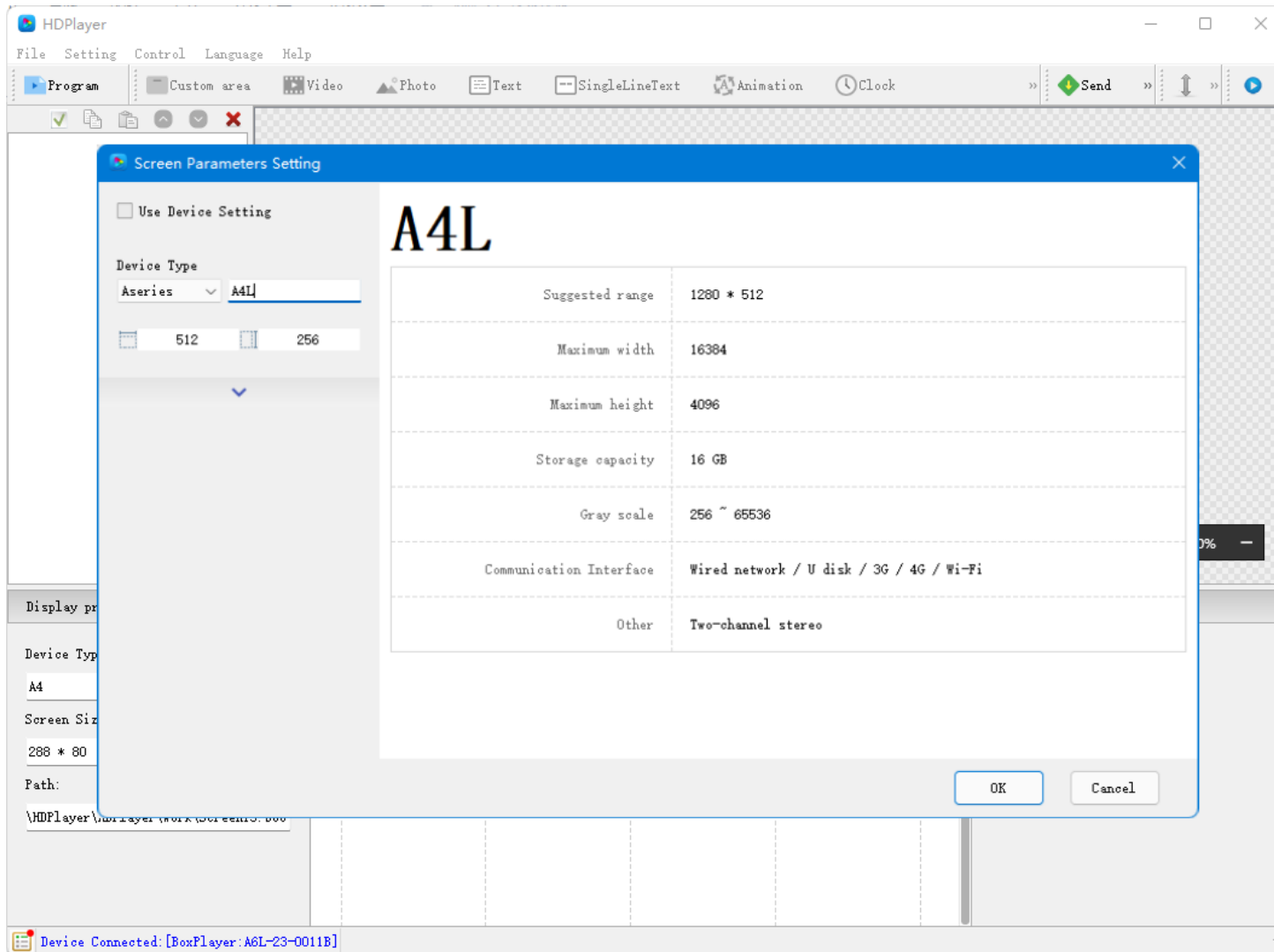
Connect the A4L to the computer by CAT5/6 cable or WiFi(Default password:88888888).



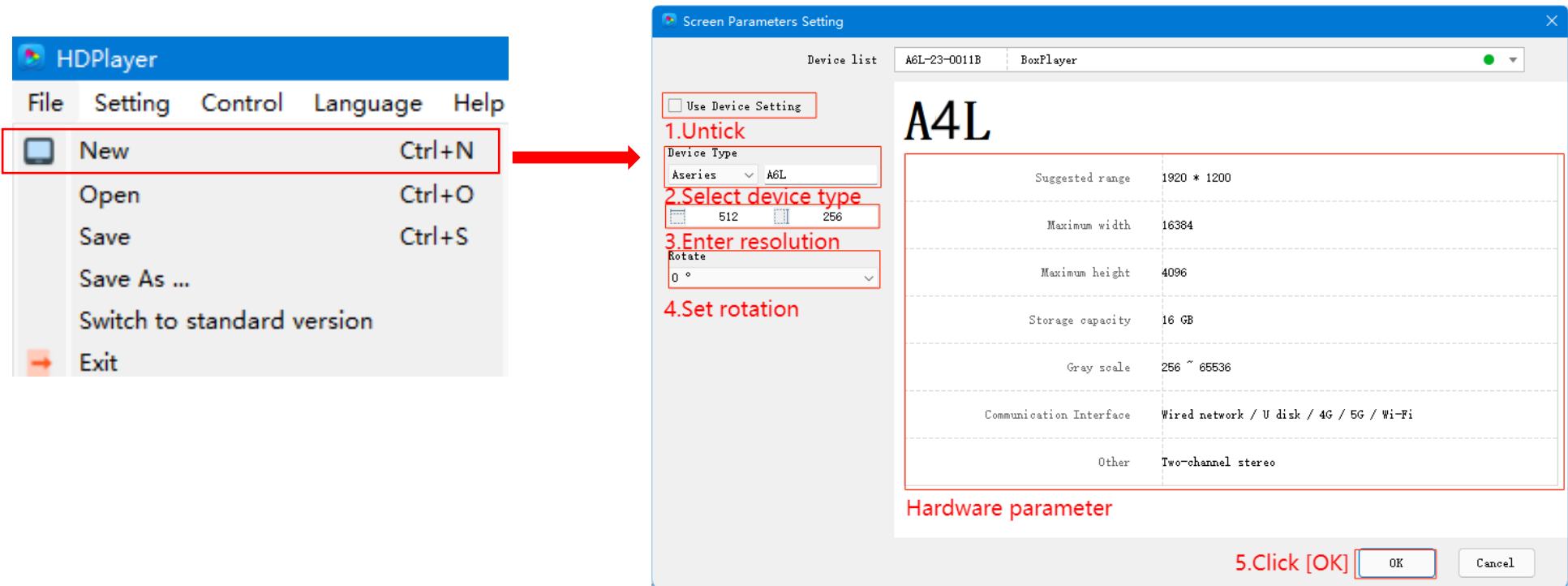
### 3.2 Basic Setting

#### 3.2.1 Create new screen for A4L

1.Run the HDPlayer software then it shows the A4L connected.



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

Device list A6L-23-0011B BoxPlayer

Use Device Setting

1.Untick

Device Type

Aseries A6L

2.Select device type

512 256

3.Enter resolution

Rotate

0°

4.Set rotation

A4L

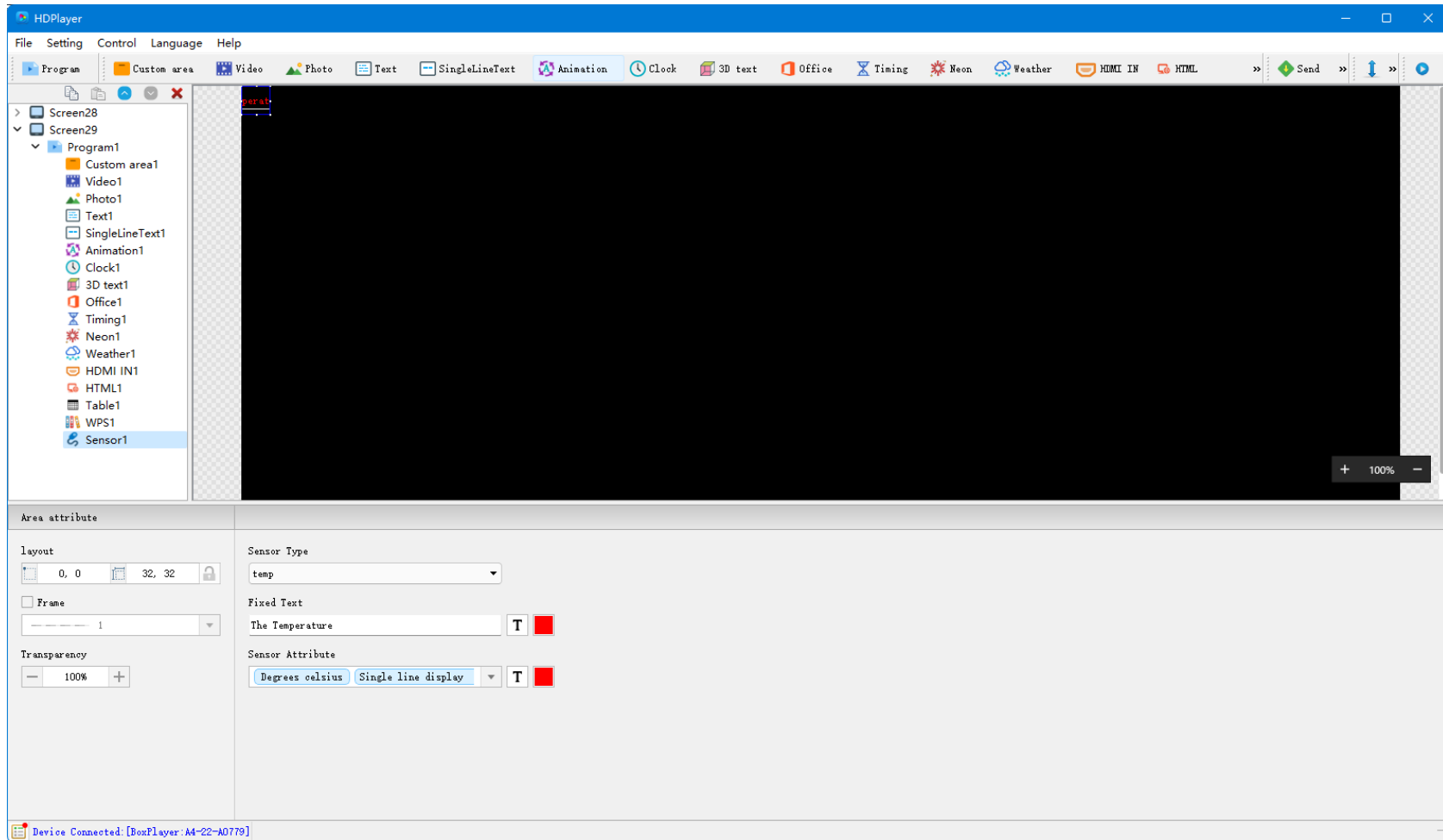
Suggested range	1920 * 1200
Maximum width	16384
Maximum height	4096
Storage capacity	16 GB
Gray scale	256 ~ 65536
Communication Interface	Wired network / U disk / 4G / 5G / Wi-Fi
Other	Two-channel stereo

Hardware parameter

5.Click [OK]

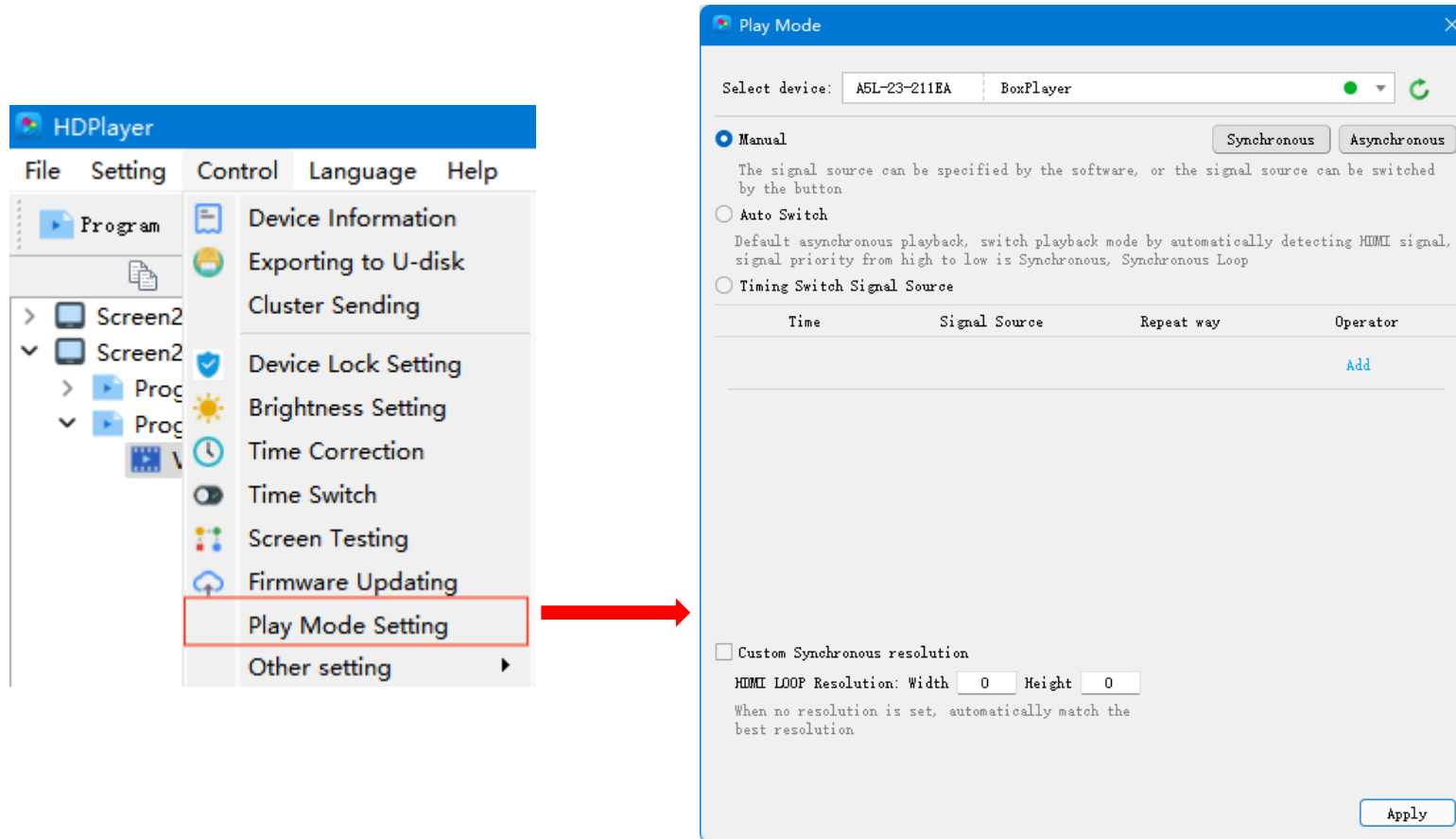
OK Cancel

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



### 3.2.2 Play mode setting

A5L is dual-mode display player. You can set play mode you want.

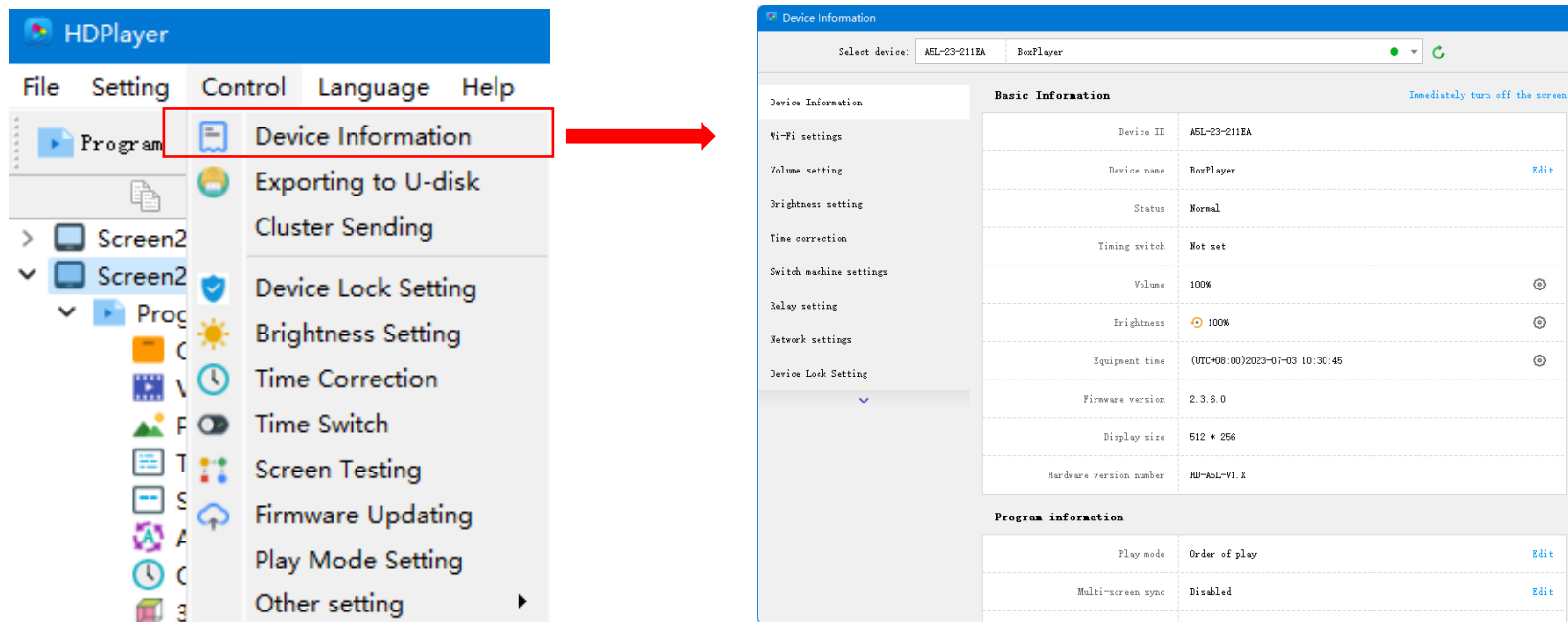




### 3.3 More setting

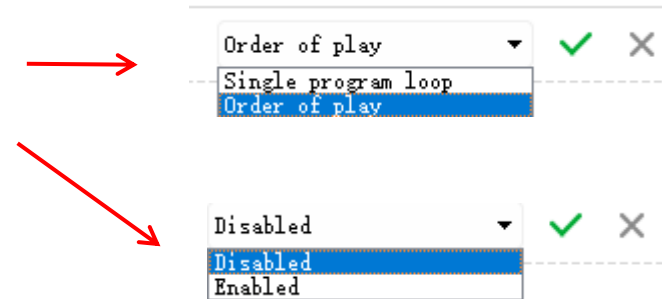
#### 3.3.1 Device information

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

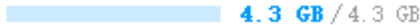


**Play mode:** Support single program loop and order of play.

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



**Program information**

Play mode	Order of play	<a href="#">Edit</a>
Multi-screen sync	Disabled	<a href="#">Edit</a>
Total number of programs	1	
Currently play the show	1	
Capacity information	 <b>4.3 GB / 4.3 GB</b>	

**View the 3/4G network and sensor status.**

3.3.2 WiFi setting

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

Station mode enable A4L connect to the wireless network.

**Wifi settings**

enable	<input checked="" type="checkbox"/>
mode	AP
SSID	A4-22-A0779
Password	88888888
IP address	192 . 168 . 6 . 1
channel	automatic
Encryption	WPA-PSK

Ok Cancel



**Wifi settings**

enable	<input checked="" type="checkbox"/>
mode	Station
wireless setting	<div>1. Select the WiFi</div> <ul style="list-style-type: none"><li>HDKJ</li><li>iPhone</li><li>HD17</li><li>HD17-5G</li></ul>
SSID	HDKJ
Password	<div>2. Enter password</div> ●●●●●●●●
	connection

3. Click [OK] Ok Cancel


### 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%

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

### 3.3.4 Brightness setting

**Default mode:** Set fixed brightness

**Custom mode:** Set the time frame for brightness

**Automatic mode:** A4L 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**

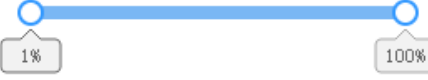

1	08:00:00 ~ 18:00:00	100%
2	18:00:00 ~ 22:00:00	60%
3	22:00:00 ~ 08:00:00	30%

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
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### 3.3.5 Time correction

**Set the system time zone.** A4L 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

Time correction dropdown menu:

- Disabled
- NTP**
- GPS (RS232)
- GPS (USB)
- GPS (PCIE)
- RF
- Auto.

Ok Cancel

### 3.3.6 Switch machines setting

Set on/off time for A4L.

**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]

### 3.3.7 Relay setting

A4L supports relay installation.


	Relay name	Switch setting	
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Open Close OK Cancel

### 3.3.8 Network setting

Default is automatic acquisition. You can set fixed IP for A4L.

**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]  Cancel

### 3.3.9 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]

### 3.3.10 Wireless Display

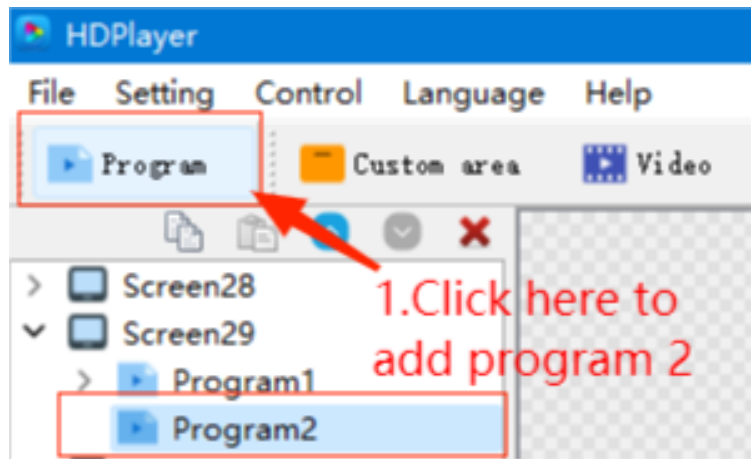
A5L support DLAN, Miracast and AirPlay projection mode.

DLAN (Video player software projection screen)	<input type="checkbox"/>
Miracast (Android, Windows 10/11 screen mirroring)	<input type="checkbox"/>
AirPlay (iPhone, iPad screen projection)	<input type="checkbox"/>

## Chaper 4 Async Program Editing and Publishing

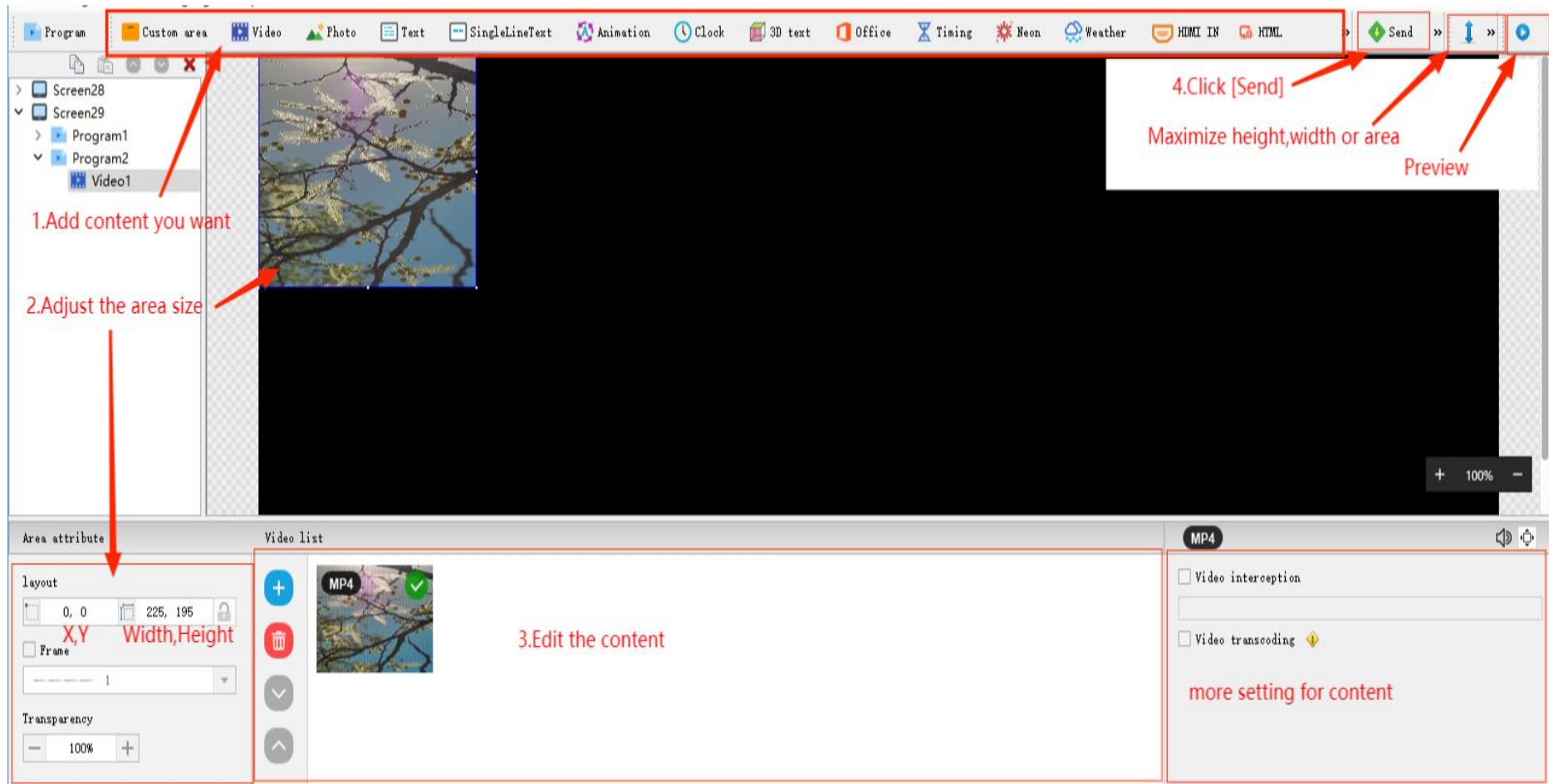
### 4.1 Publish programs by HDPlayer

#### 1. Create new program



2. Add content into Program





### 3. Sending interface

Send Project

Screen	<input checked="" type="checkbox"/>	Device ID	Device name	Progress	Status
Screen28	<input checked="" type="checkbox"/>				
Screen29	<input checked="" type="checkbox"/>	A4-22-A0779	BoxPlayer	<div style="width: 100%;"><div style="width: 100%;"></div></div> 100% 156.6 KB	✓

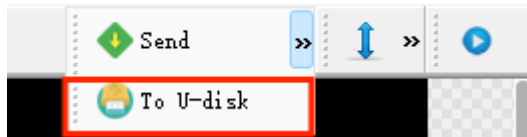
Check status:  
✓ mean success

Send Cancel

## 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

