

User Manual



HD-A4L

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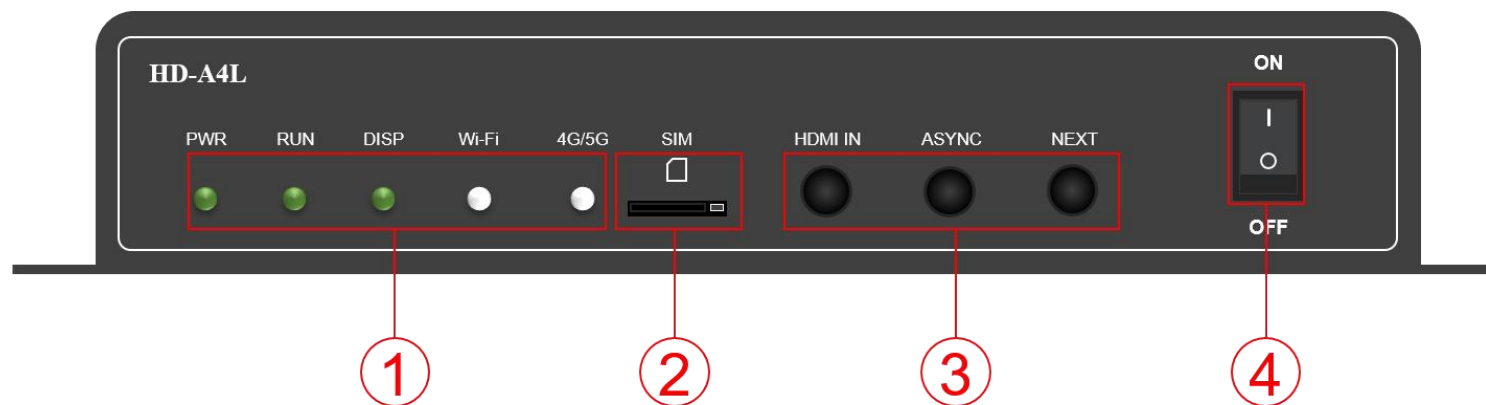
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Chapter 1 Interface connection

1.1 HD-A4L Appearance and interface

Front panel:

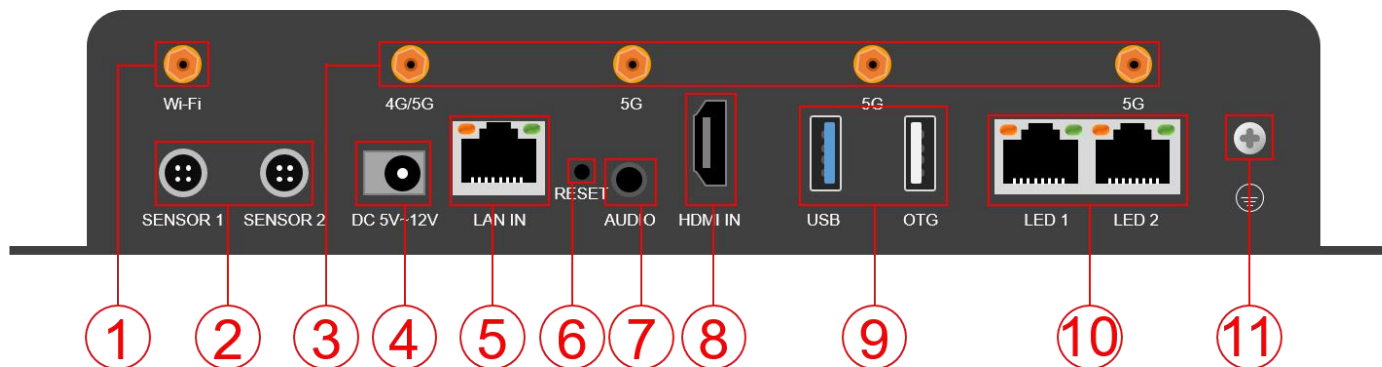


Serial number	Name	Description

1	Working light	PWR: Power indicator light, the green light is always on, and the power input is normal RUN: 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 DISP: 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 Wi-Fi: 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 4G/5G: 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
2	SIM card slot	Nano SIM card slot, providing 4G/5G networking for remote control (optional 4G/5G)

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

Rear panel:

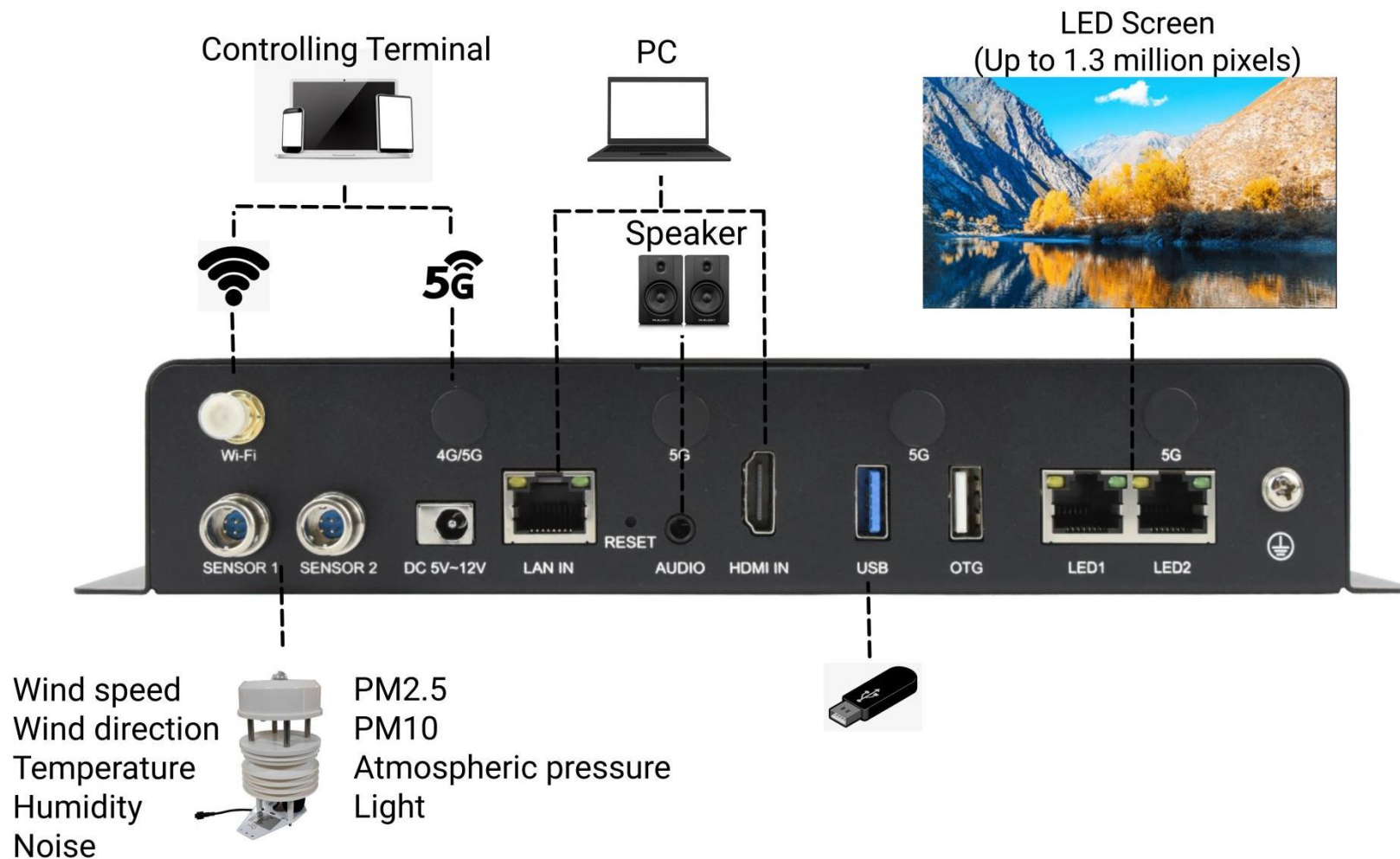


Serial	Name	Description
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number		
1	Wi-Fi antenna	Connect Wi-Fi antenna to enhance wireless signal
2	Sensor	External temperature, humidity, brightness, wind speed, wind direction, noise, PM2.5, PM10, CO ₂ and other sensors
3	4G/5G antenna	Connect 4G/5G 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	HDMI IN: HDMI1.4 synchronous signal input interface, support adaptive scaling
9	USB	USB: USB3.0 for updating programs, inserting programs or expanding capacity OTG: 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

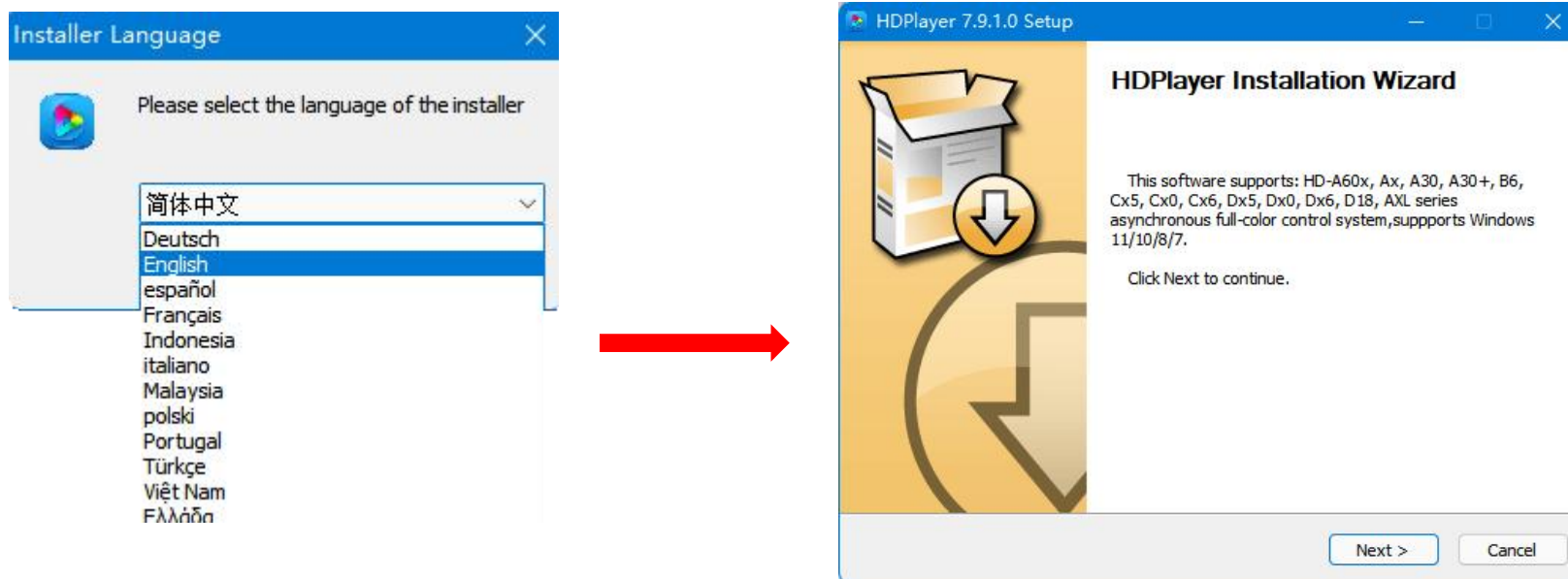
1.2 Hardware connection



Chapter 2 HDPlayer installation

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

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

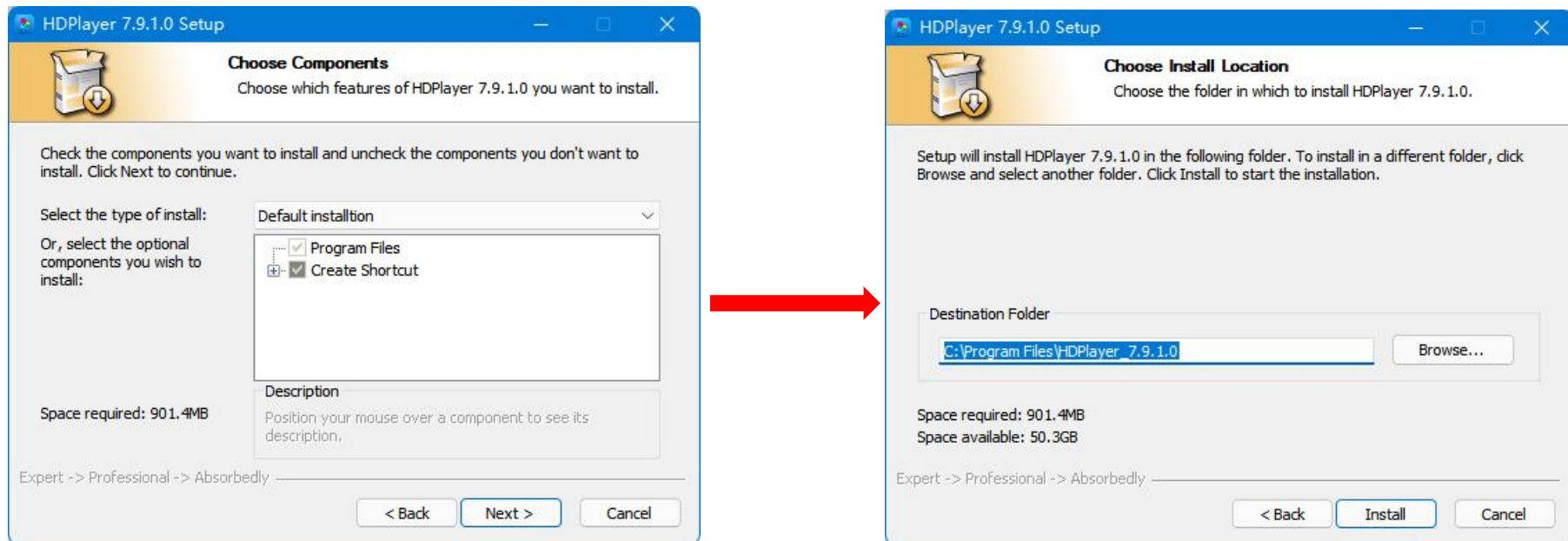


2. After selecting a language, an installation wizard like below will appear. Click [Next].

Choose components, default installation.

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

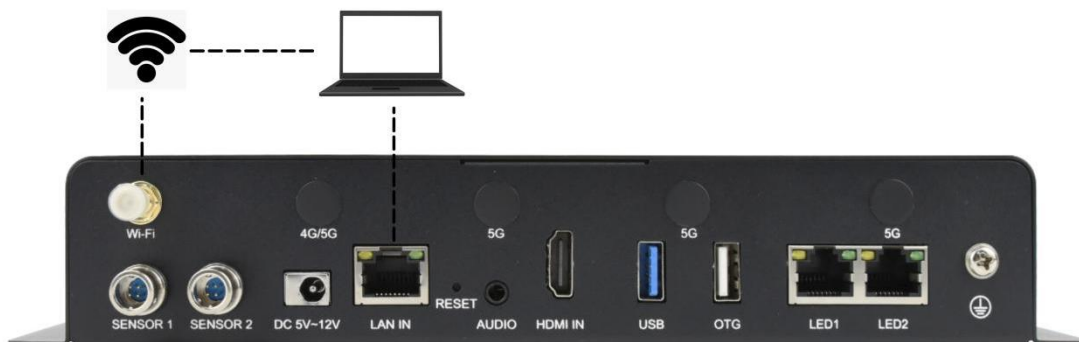
After the installation is complete, you are ready to use HDPlayer.



Chapter 3 HD-A4L Parameter settings

3.1 Connection

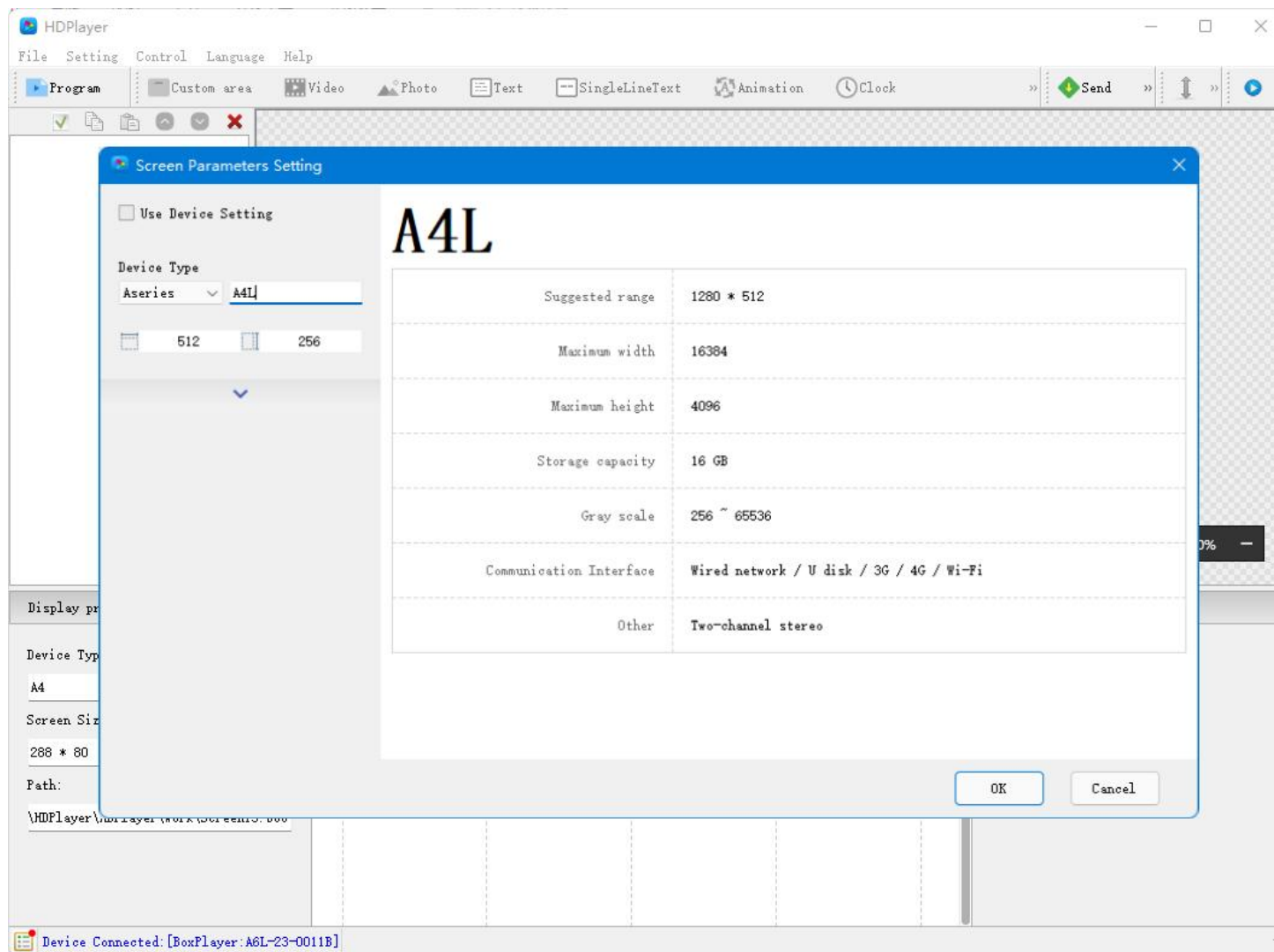
Connect the A4L to the computer by CAT5/6 cable or WiFi(Default password:88888888).



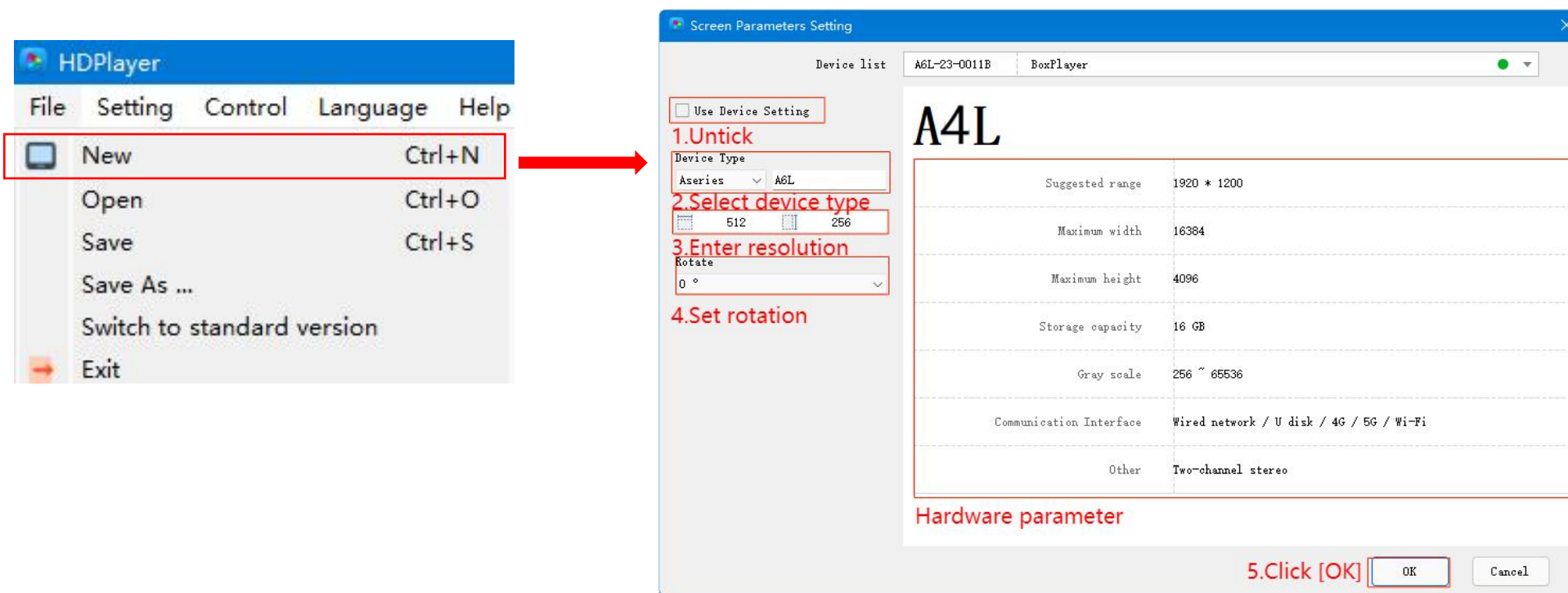
3.2 Basic Setting

3.2.1 Create new screen for A4L

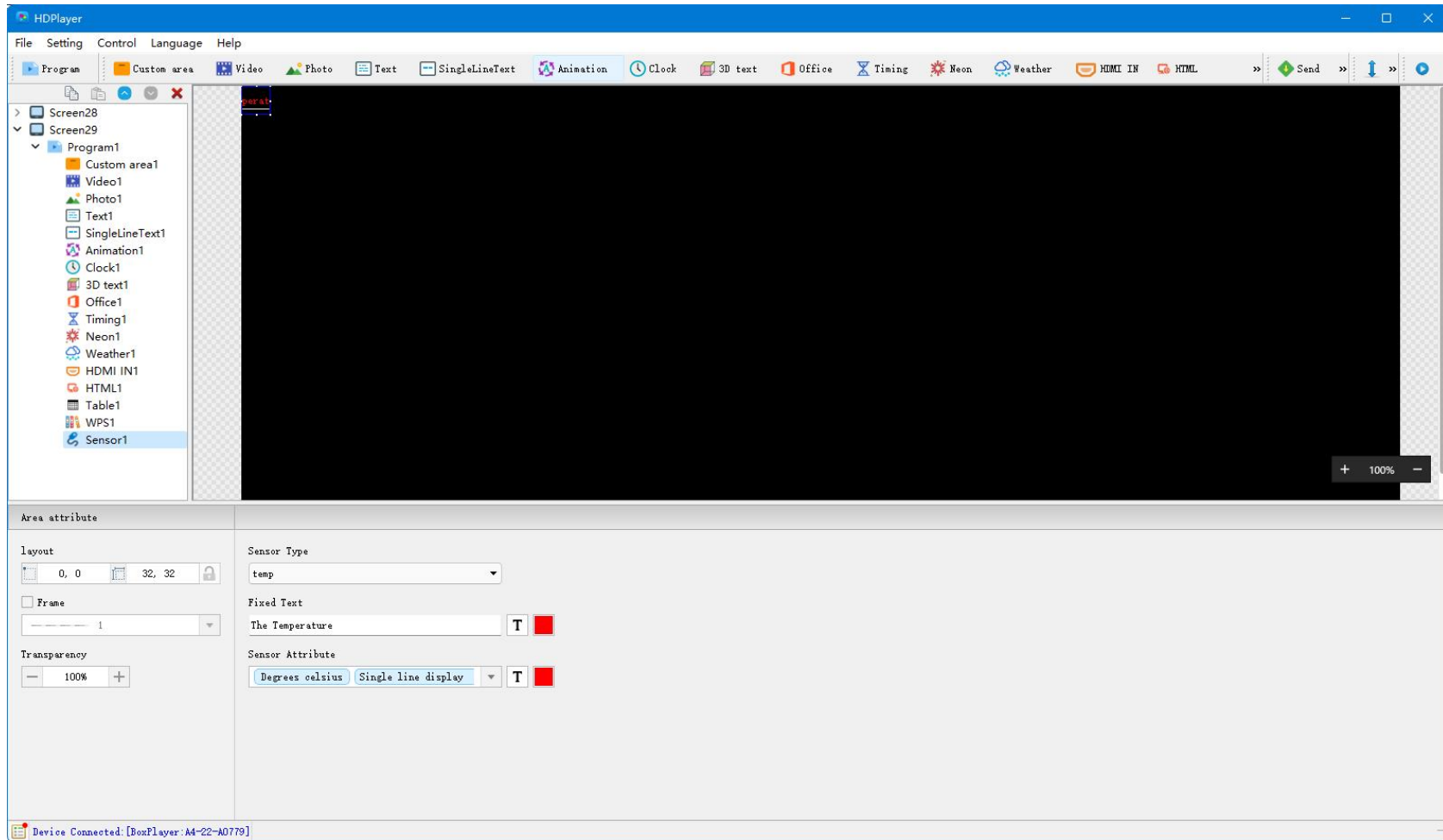
1.Run the HDPlayer software then it shows the A4L connected.



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

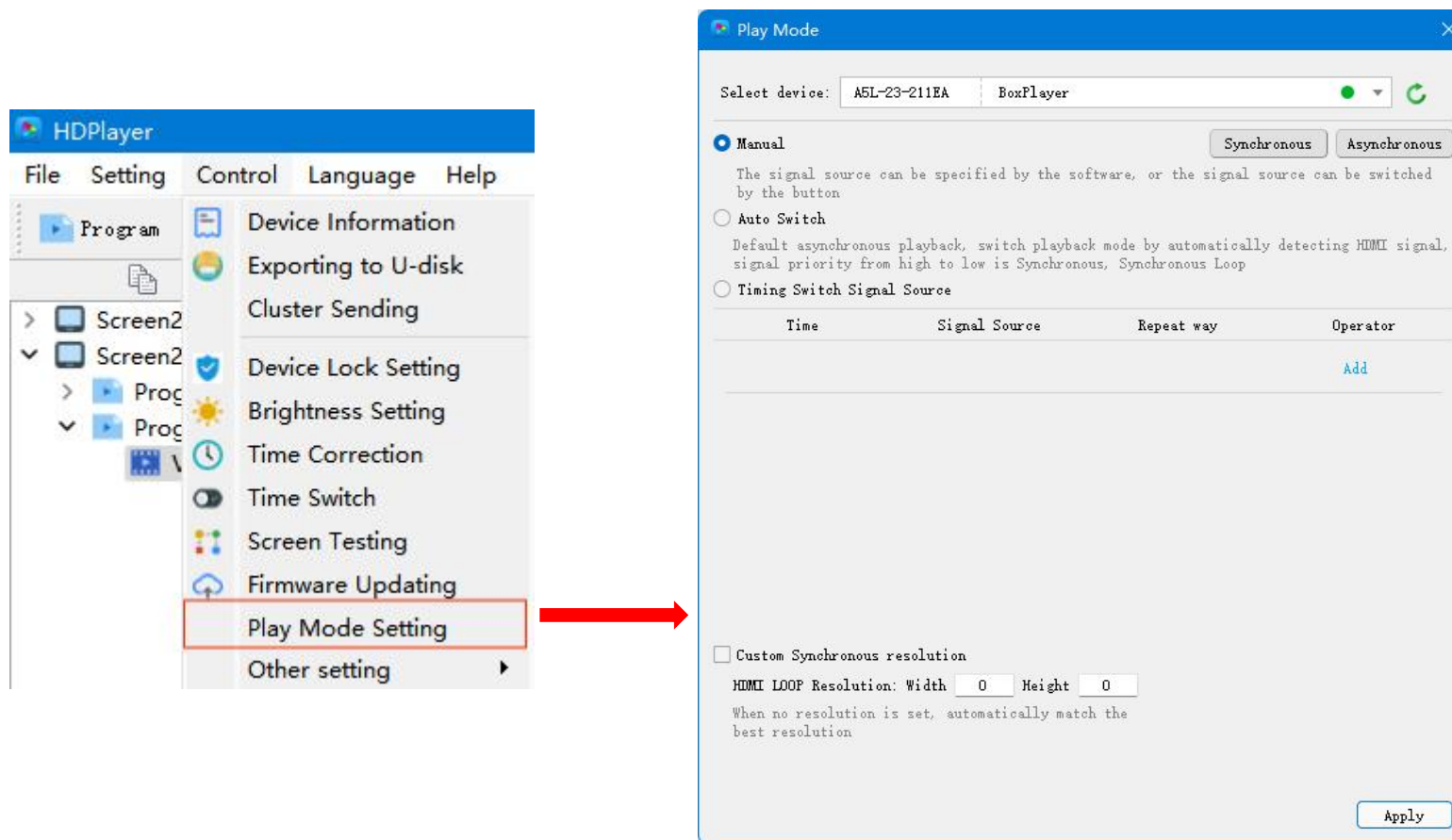


3. After the previous steps, you can begin to edit the program.



3.2.2 Play mode setting

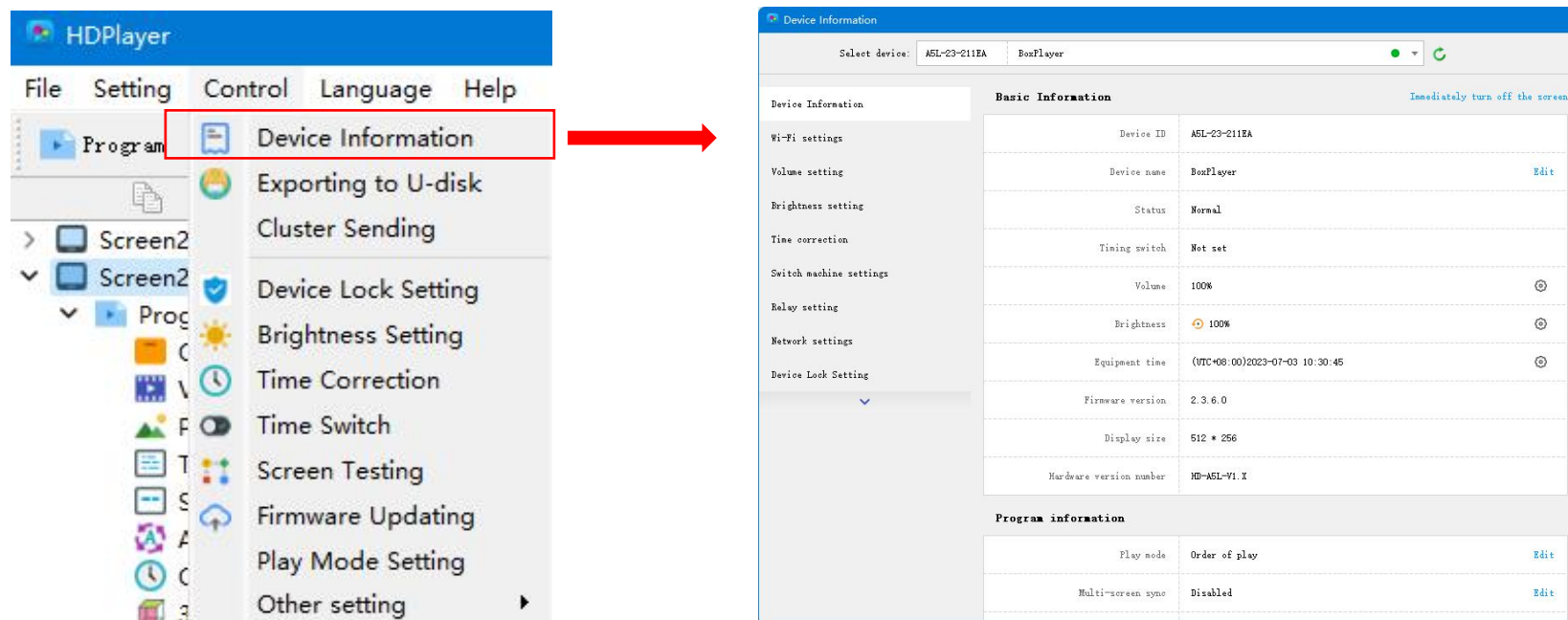
A5L is dual-mode display player. You can set play mode you want.



3.3 More setting

3.3.1 Device information

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

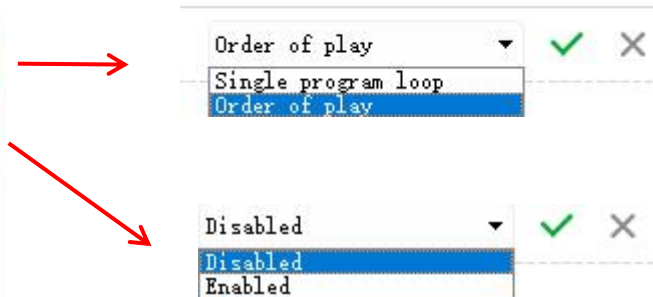


Play mode: Support single program loop and order of play.

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

Program information

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



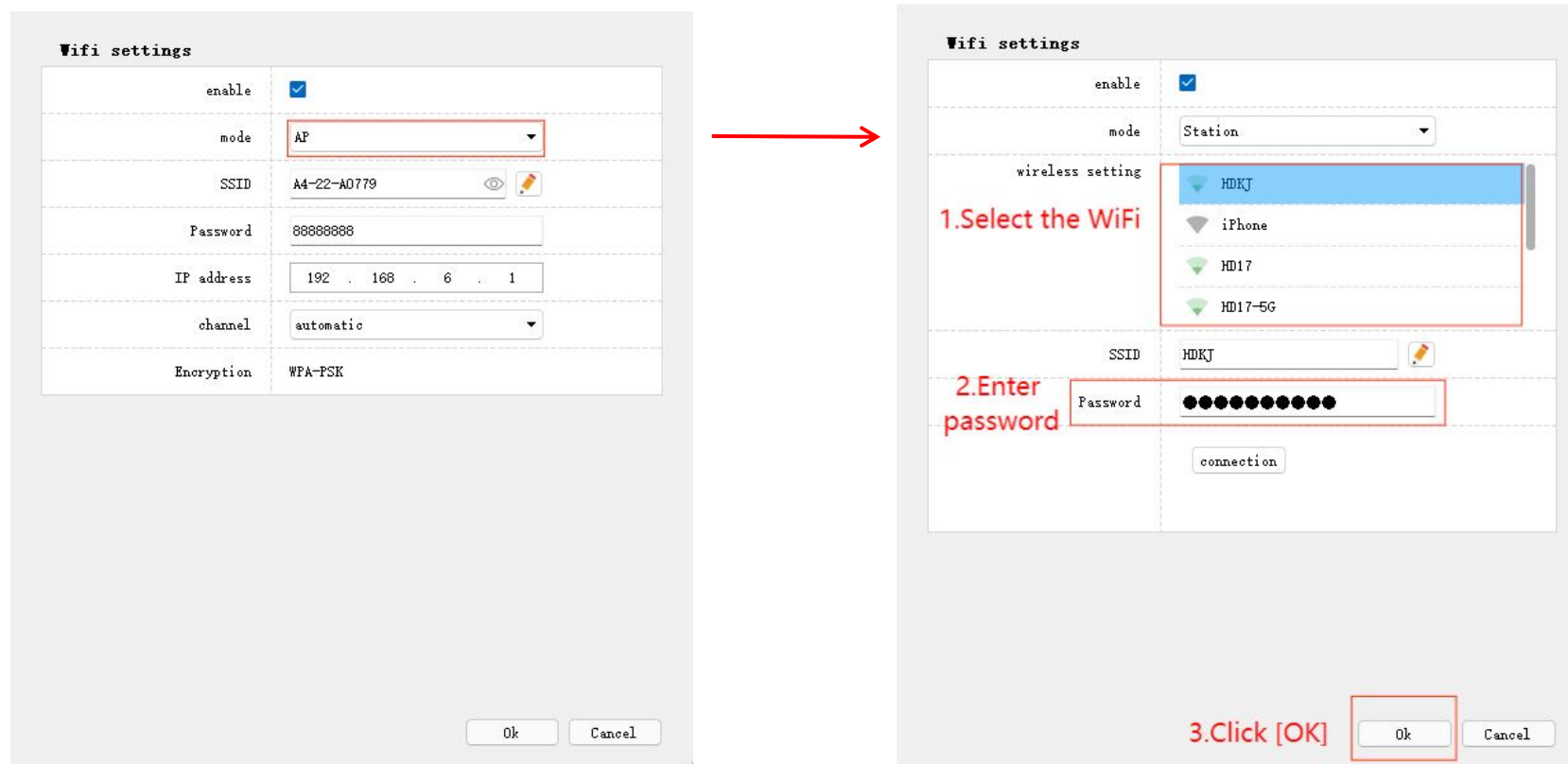
The diagram illustrates the configuration process. Red arrows point from the 'Edit' buttons in the 'Program information' table to the respective dropdown menus. The 'Order of play' dropdown shows options: 'Single program loop' and 'Order of play' (selected). The 'Multi-screen sync' dropdown shows options: 'Disabled' (selected) and 'Enabled'.

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.



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

☒	08:00:00		100%	
☒	18:00:00		60%	
☒	22:00:00		30%	

1.Edit time period 2.Set Volume 

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]  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

3.View the onset time table

4.Click [OK]

Ok Cancel

Brightness setting

mode	Automatic mode
1.Select [high]	Sensitivity high
2.Set range you want	Brightness range 1% 100%
	Brightness monitoring interval 3400 6982

3.The best value is 3400-7000

4.Click [OK]

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, Urumchi
summer time	☐
Automatic synchronization	NTP ntp.huidu.cn
☐ Time correction	2022-12-12 14:14:40
Calibration mode	Synchronize the computer
	2022/12/12 14:14:40

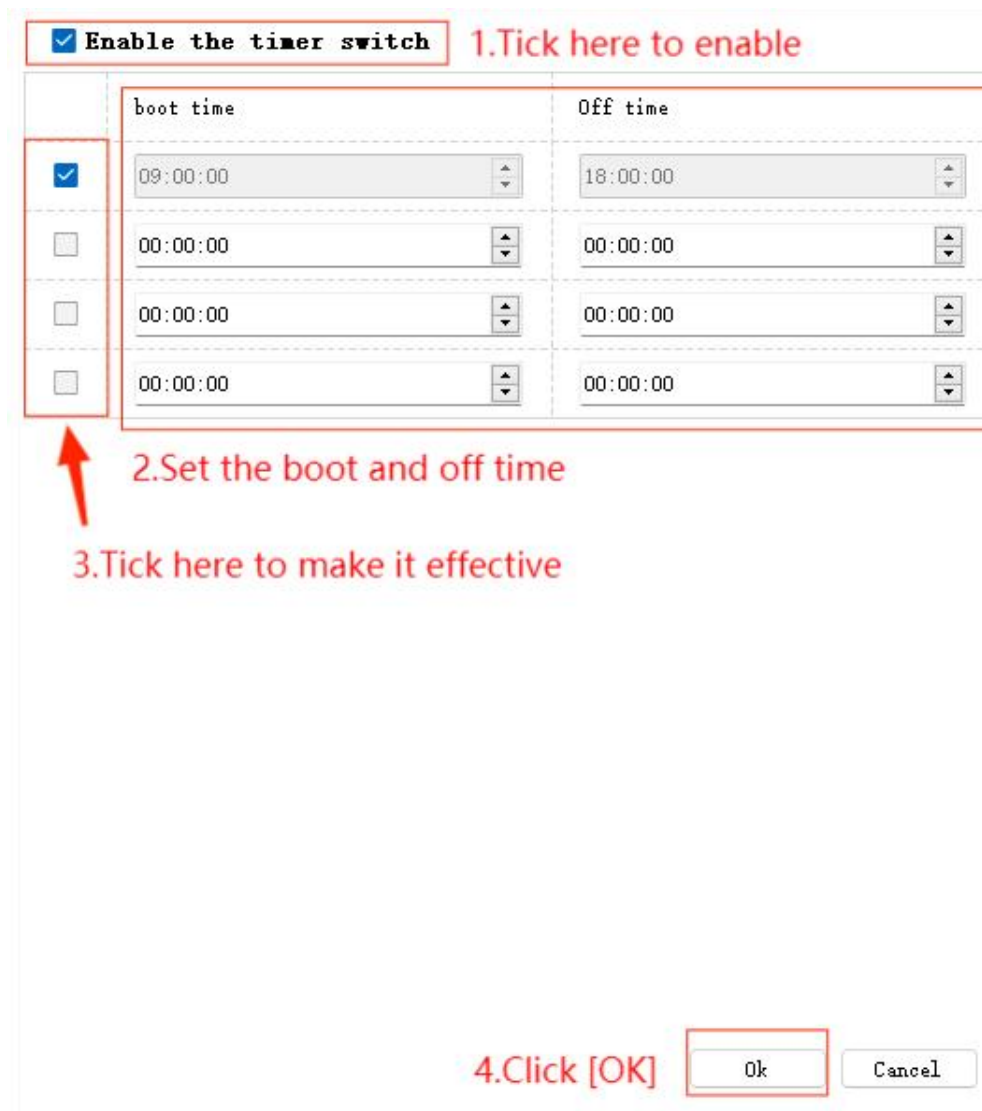


Automatic synchronization	NTP ntp.huidu.cn
☐ Time correction	2022-12-12 14:31:20
Calibration mode	ter

Ok Cancel

3.3.6 Switch machines setting

Set on/off time for A4L.



The screenshot shows a dialog box titled "Enable the timer switch". It contains a table with two columns: "boot time" and "off time". The first row is selected, and its "boot time" is set to "09:00:00" and "off time" to "18:00:00". The other three rows have "00:00:00" in both columns. A red box highlights the first row, and a red arrow points to the "boot time" column header. The "Ok" button is highlighted with a red box.

	boot time	off time
☒	09:00:00	18:00:00
☐	00:00:00	00:00:00
☐	00:00:00	00:00:00
☐	00:00:00	00:00:00

1.Tick here to enable

2.Set the boot and off time

3.Tick here to make it effective

4.Click [OK]

Ok Cancel

3.3.7 Relay setting

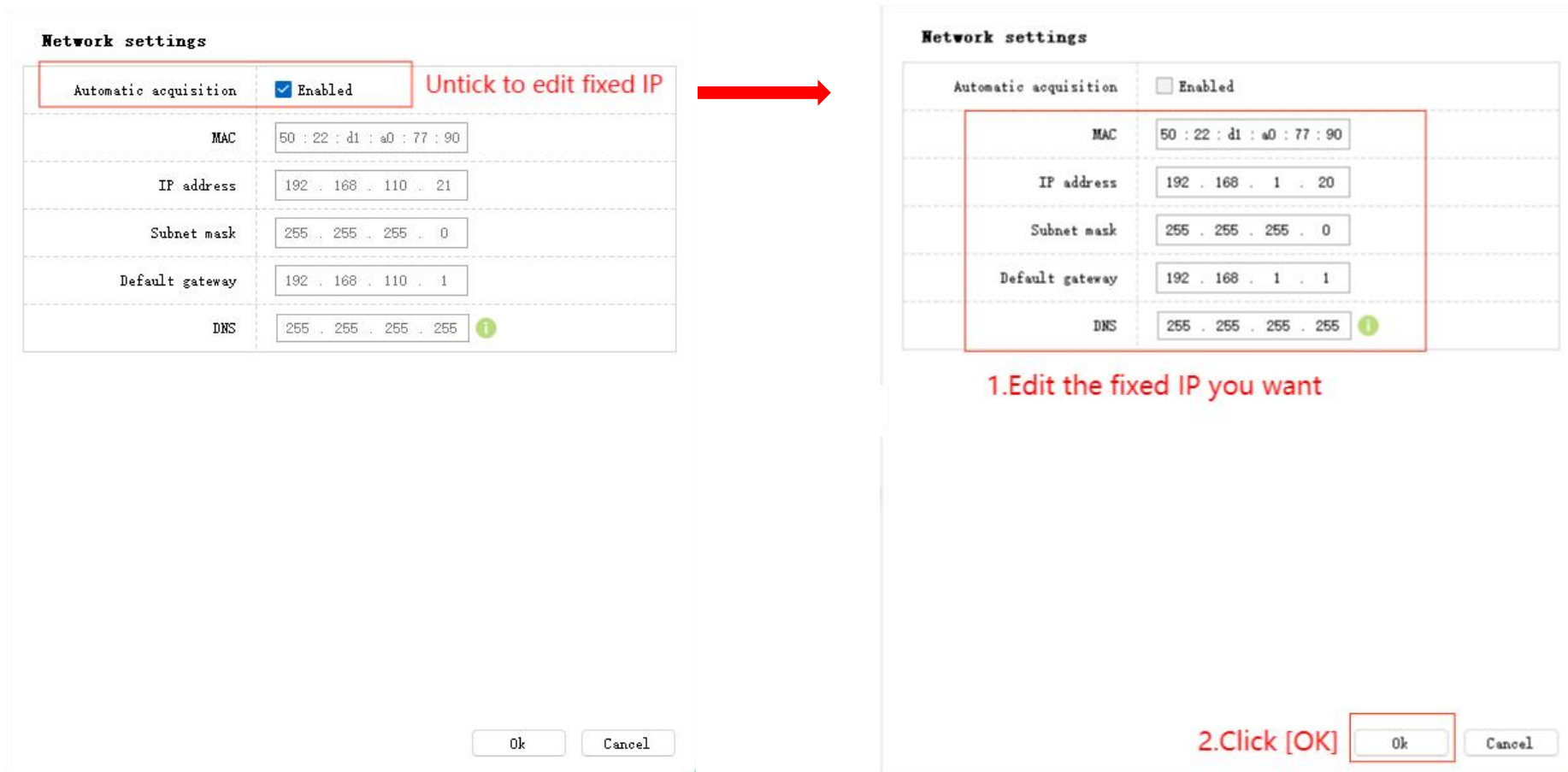
A4L supports relay installation.

		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.



The diagram illustrates the process of configuring network settings for A4L. It shows two states of the 'Network settings' dialog box, connected by a red arrow indicating a transition.

Left Dialog (Initial State):

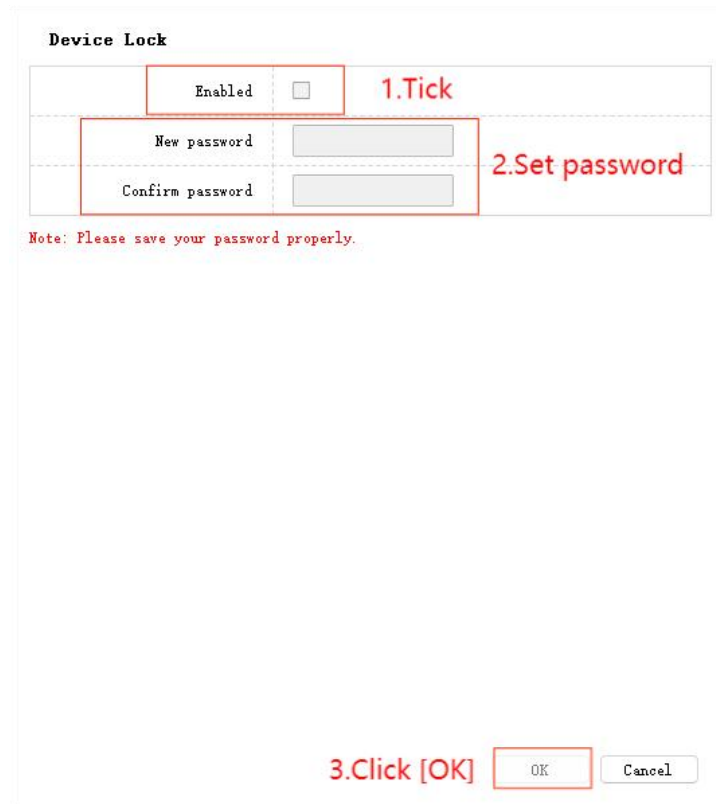
- Automatic acquisition:** ☒ Enabled. A red box highlights this section with the text "Untick to edit fixed IP".
- MAC:** 50 : 22 : d1 : a0 : 77 : 90
- IP address:** 192 . 168 . 110 . 21
- Subnet mask:** 255 . 255 . 255 . 0
- Default gateway:** 192 . 168 . 110 . 1
- DNS:** 255 . 255 . 255 . 255 (with an information icon 'i')
- Buttons: Ok, Cancel

Right Dialog (After Configuration):

- Automatic acquisition:** ☐ Enabled. A red box highlights the entire configuration area (MAC, IP address, Subnet mask, Default gateway, and DNS) with the text "1.Edit the fixed IP you want".
- 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 (with an information icon 'i')
- Buttons: Ok, Cancel. A red box highlights the 'Ok' button with the text "2.Click [OK]" below it.

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.



The image shows a 'Device Lock' configuration window. It contains an 'Enabled' checkbox, two password input fields labeled 'New password' and 'Confirm password', and 'OK' and 'Cancel' buttons. Red annotations indicate the steps: '1.Tick' points to the checkbox, '2.Set password' points to the password fields, and '3.Click [OK]' points to the OK button. A note at the bottom reads: 'Note: Please save your password properly.'

Device Lock	
Enabled	☐
New password	
Confirm password	

Note: Please save your password properly.

OK Cancel

3.3.10 Wireless Display

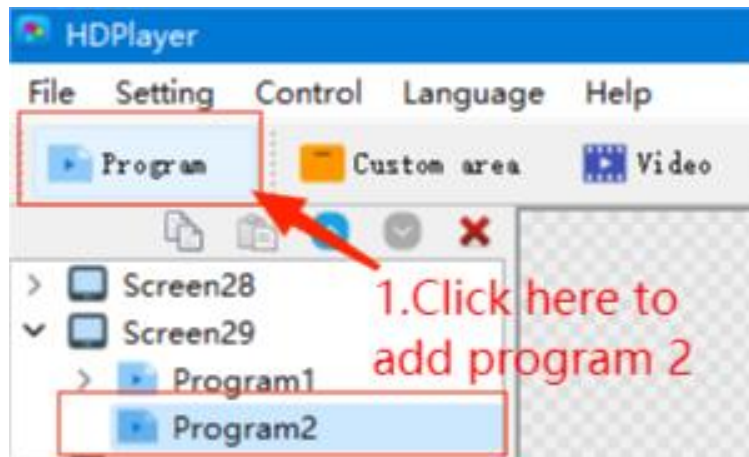
A5L support DLAN,Miracast and AirPlay projection mode.

DLAN (Video player software projection screen)	☐
Miracast (Android, Windows 10/11 screen mirroring)	☐
AirPlay (iPhone, iPad screen projection)	☐

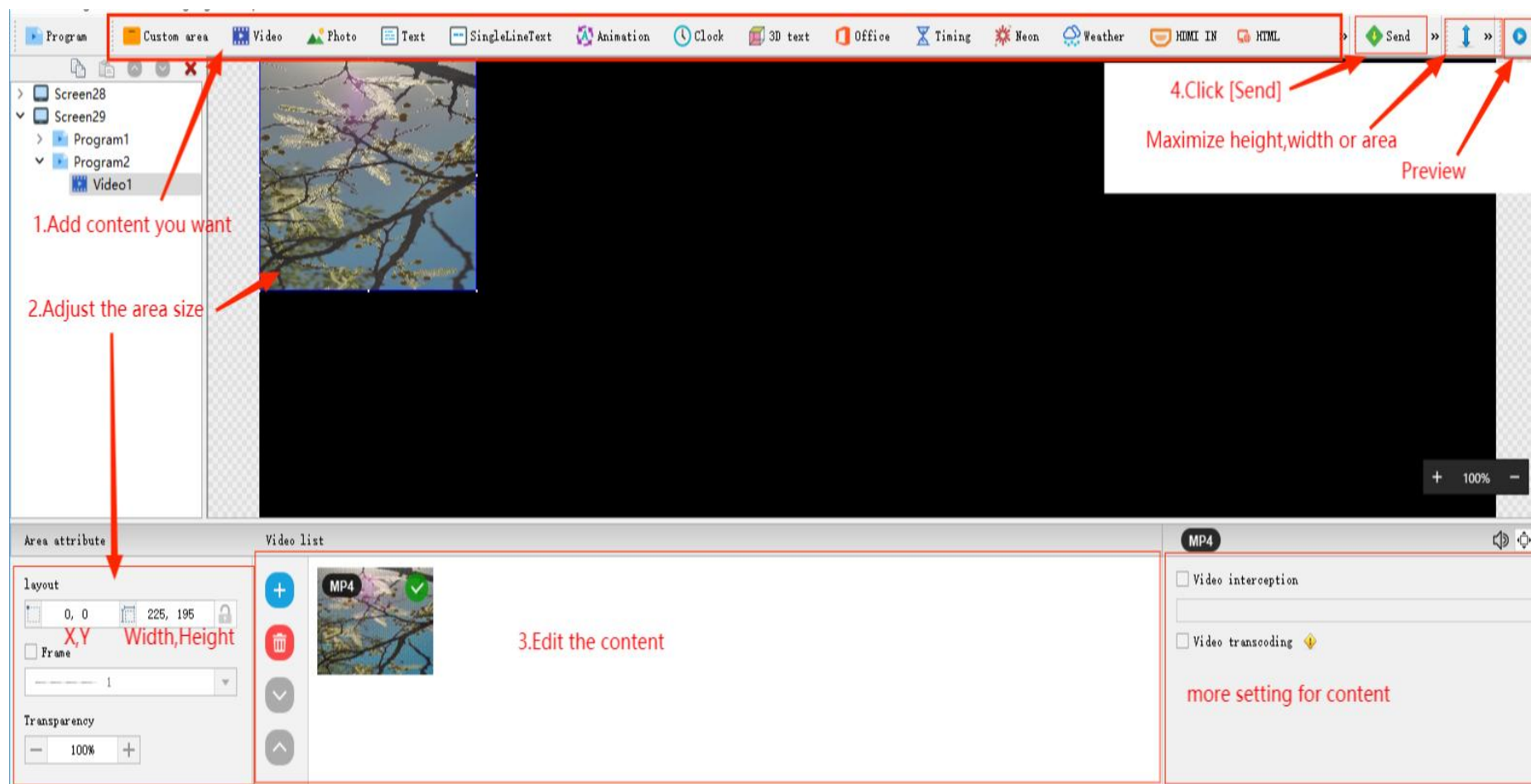
Chaper 4 Async Program Editing and Publishing

4.1 Publish programs by HDPlayer

1. Create new program



2. Add content into Program



3. Sending interface

Send Project

	☒	Device ID	Device name	Progress	Status
Screen28	☒				
Screen29	☒	A4-22-A0779	BoxPlayer	100% 156.6 KB	✓

Check status:
✓ mean success

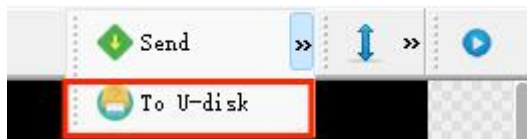
Send

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

