

User Manual



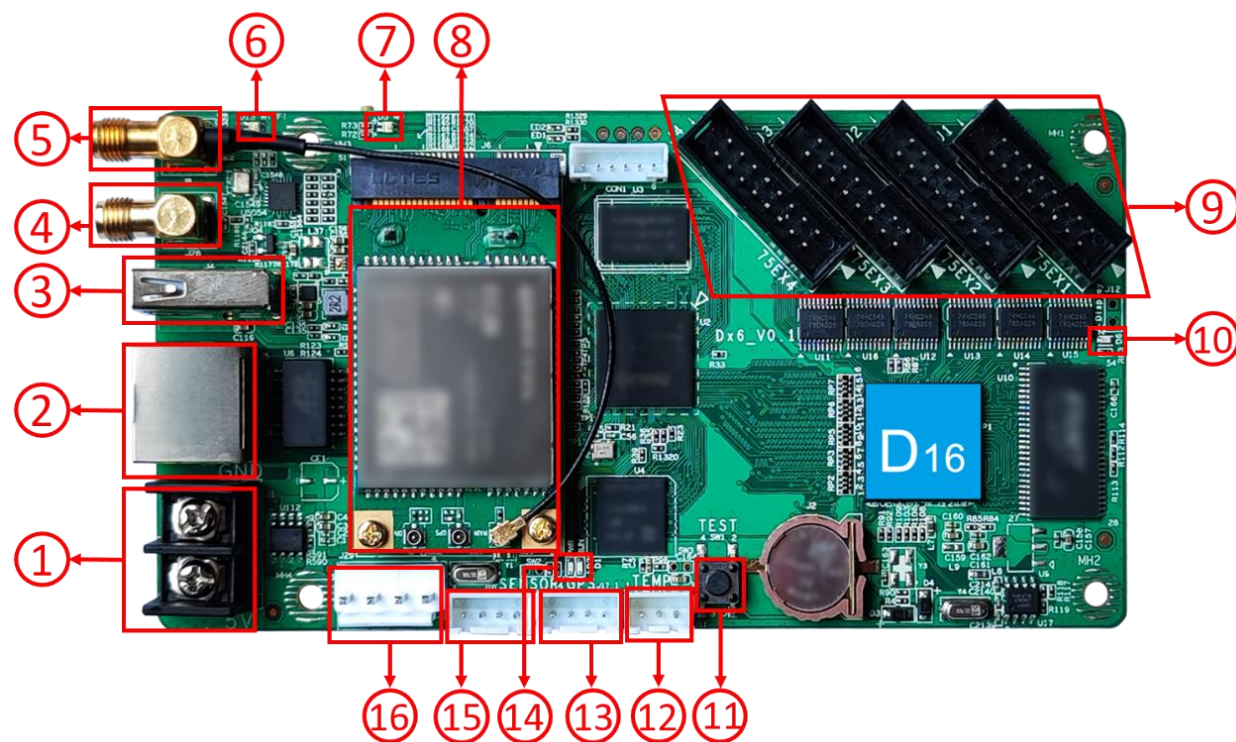
HD-D16

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Chapter 1 Interface connection

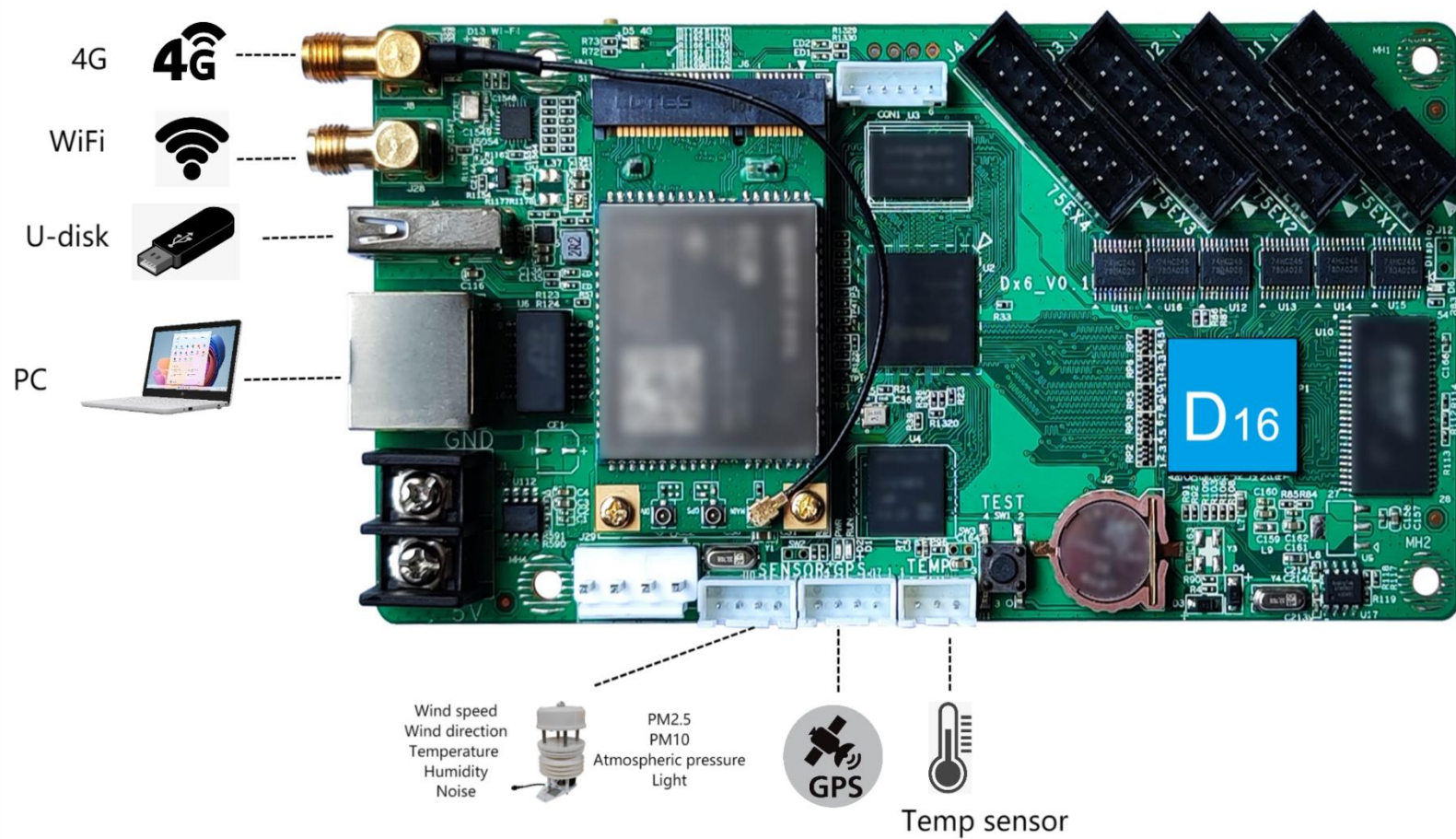


1.1 HD-D16 Appearance and interface

No.	Name	Function
1	Power terminal	Connect 5V power.
2	RJ45 network port	The computer network port , router or switch connected to the normal working state is orange light is always on, green light flashes.
3	USB port	Connect to the USB device for update program.
4	Wi-Fi Antenna connector socket	Weld antenna socket of Wi-Fi.
5	4G Antenna connector socket	Weld antenna socket of 4G.
6	Wi-Fi indicator light	Display Wi-Fi work status.
7	4G indicator light	Display 4G network status.
8	4G module	Used to provide control card to access the Internet (Optional).
9	HUB75E port	Connect LED screen by cable.
10	Display light (Display)	Normal working state is flashing.
11	Test button	For test the brightness and contrast of the display screen.
12	Temperature Sensor port	For connect to Temperature.
13	GPS port	For connect to GPS module, use for time correction and fixed position
14	Indicator light	PWR is the power indicator, the power supply normal indicator is always on; RUN is the indicator, the normal working indicator flashes.

15	Sensor port	For connect external sensor, Such as environmental monitoring, multi-function sensors, etc.
16	Power port	Foolproof 5V DC power interface, the same function as 1.

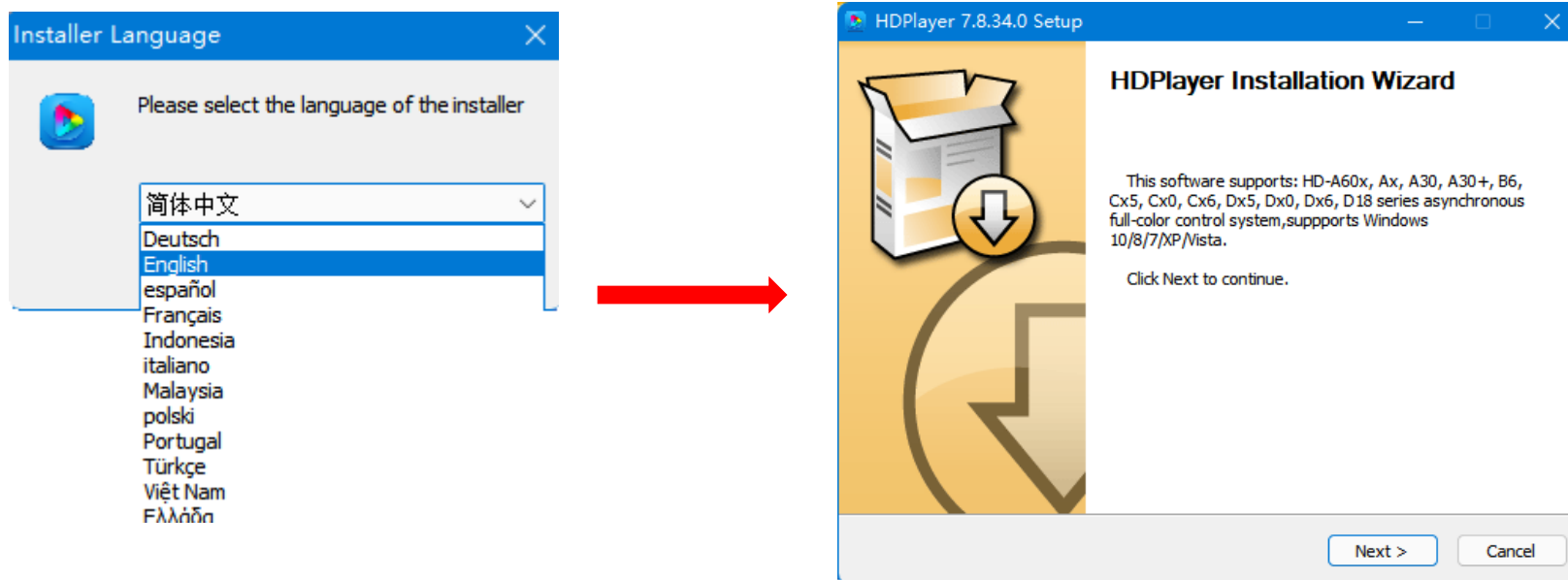
1.2 Hardware connection



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.

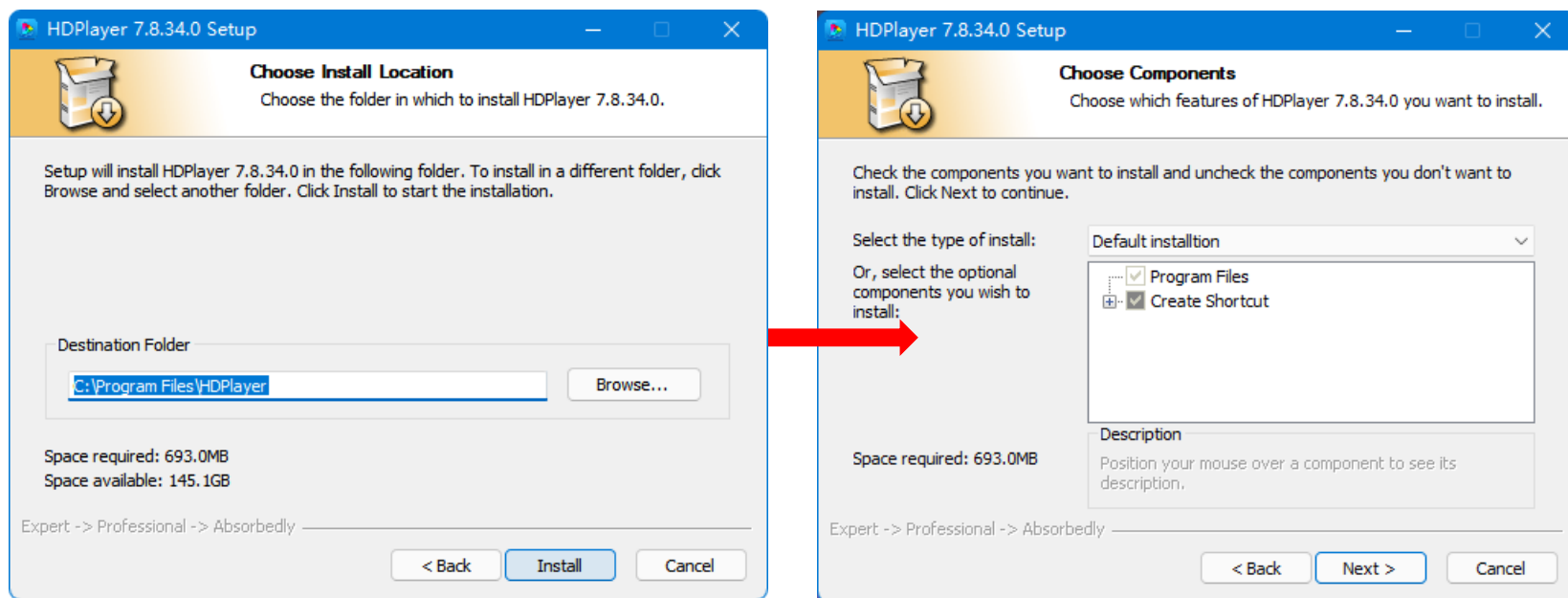


2. After selecting a language, an installation wizard like below will appear. Click [Next].

Choose components, default installation.

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

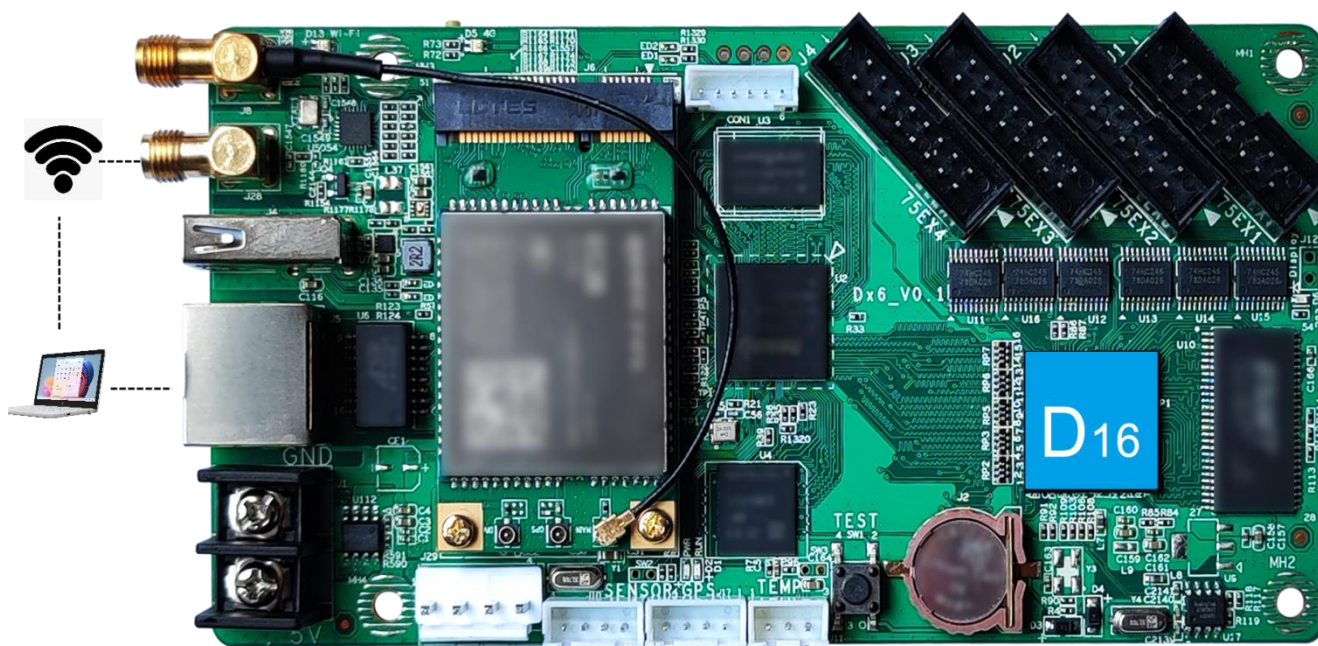
After the installation is complete, you are ready to use HDPlayer.



Chapter 3 HD-D16 Parameter settings

3.1 Connection

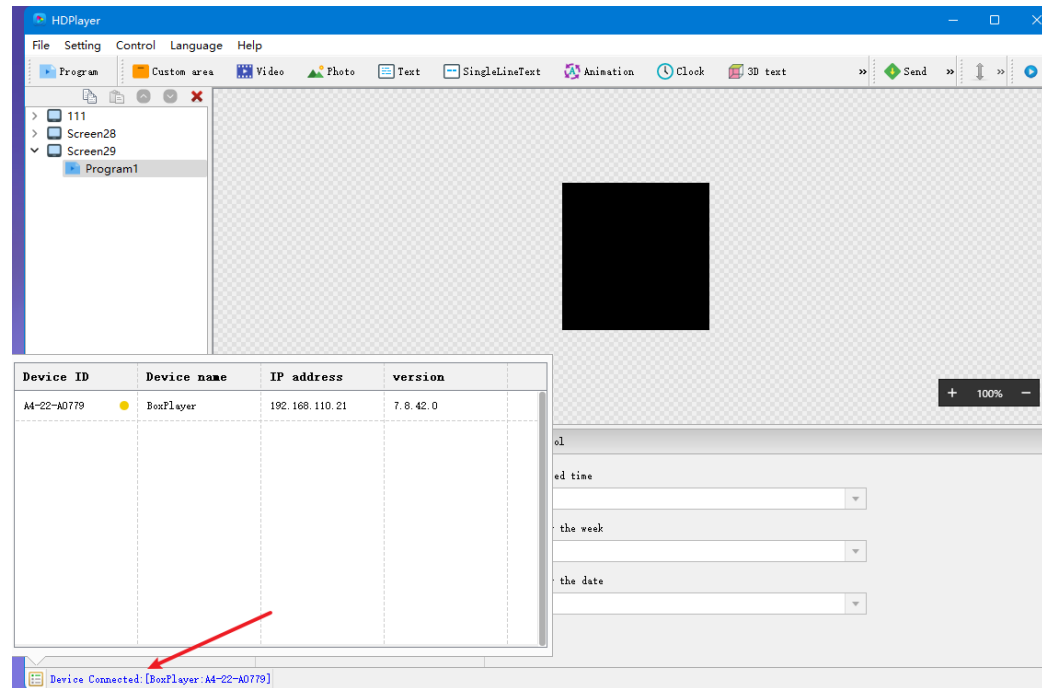
Connect the D16 to the computer by net cable or WiFi(Default password:88888888).



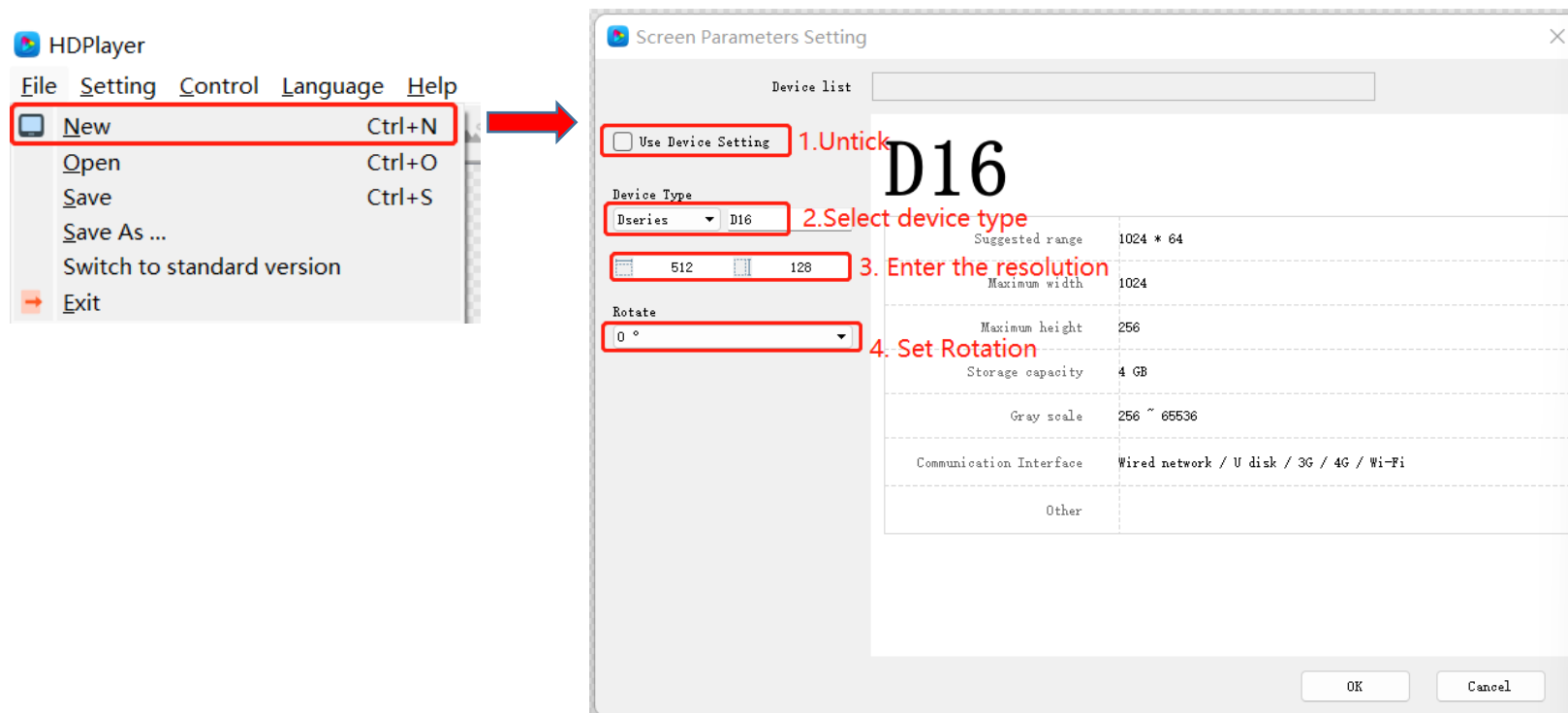
3.2 Basic Setting

3.2.1 Create new screen for D16

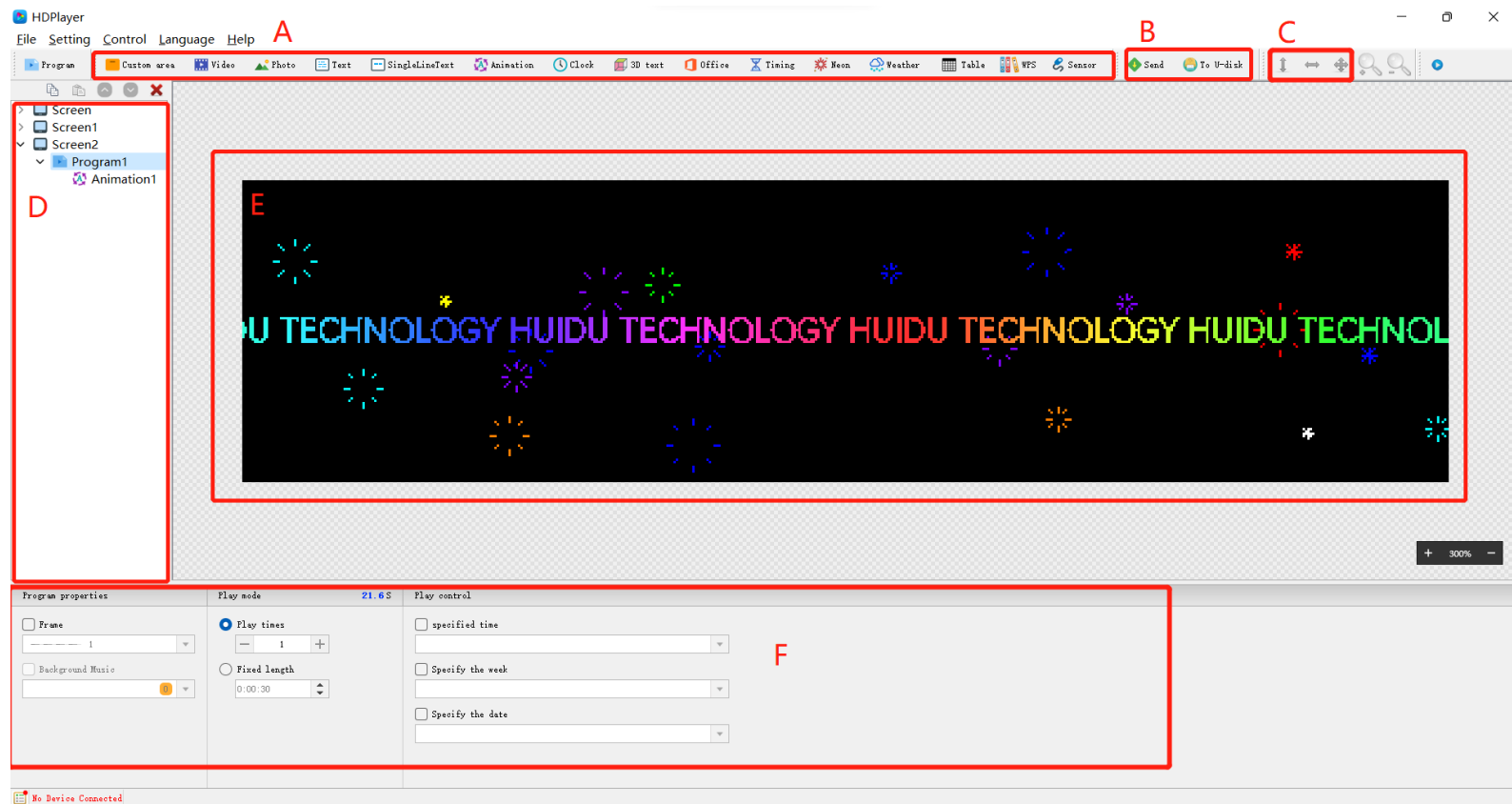
1.Run the HDPlayer software then it shows the D16 connected at the left-down corner.



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



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

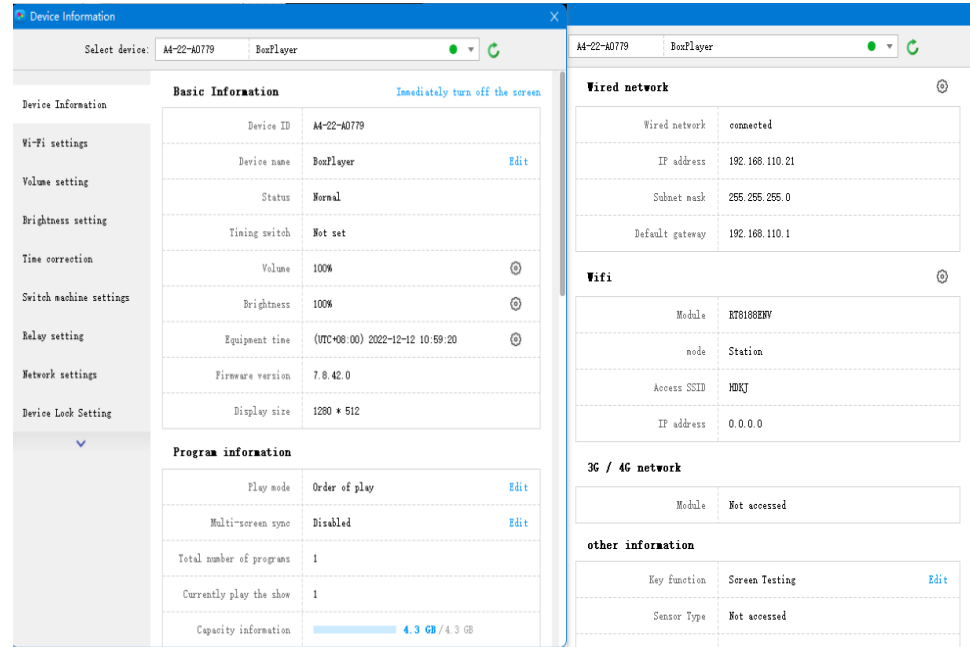
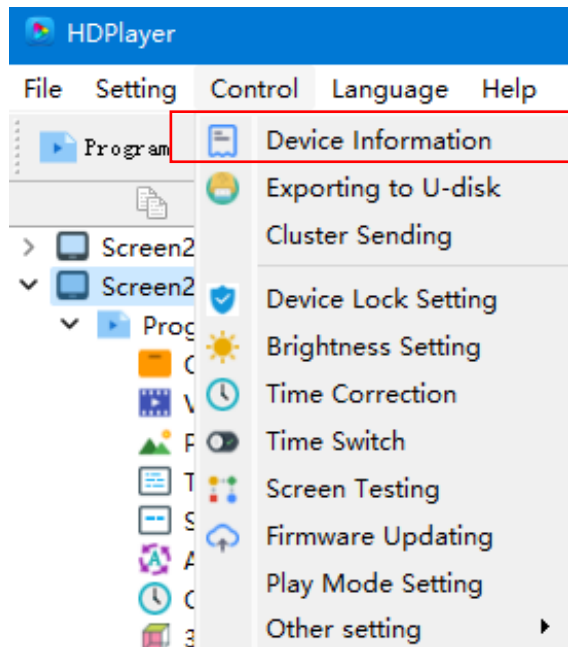


Area	Function
A	Program editing tool bar,you can use these tools to show what you want.
B	If programs Send programs or save them to U-disk.
C	Expand the size according to the region.
D	Screen program layout tree area.
E	Screen Preview area.
F	Property setting area.

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	



Order of play

Single program loop

Order of play

✓ ✕

Disabled

Disabled

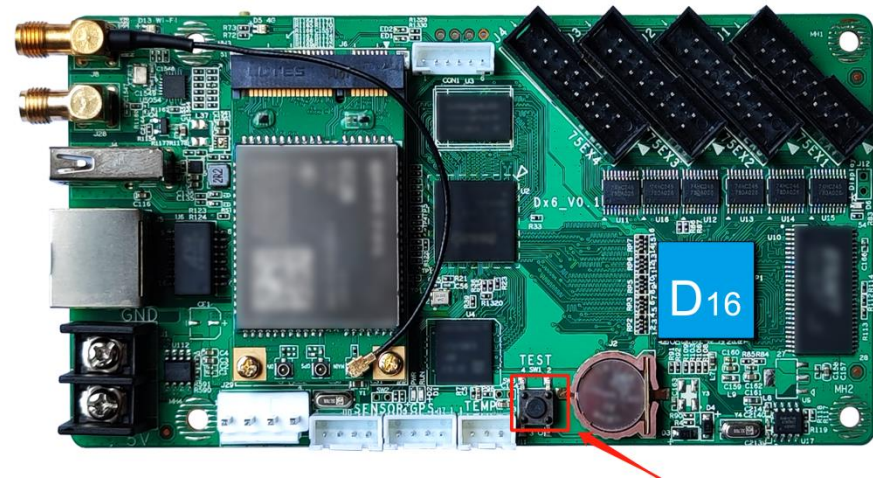
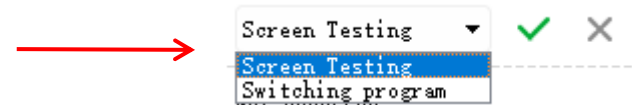
Enabled

✓ ✕



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	

3.3.2 WiFi setting

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

Station mode enable D16 connect to the wireless network.

Wifi settings

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

Ok Cancel



Wifi settings

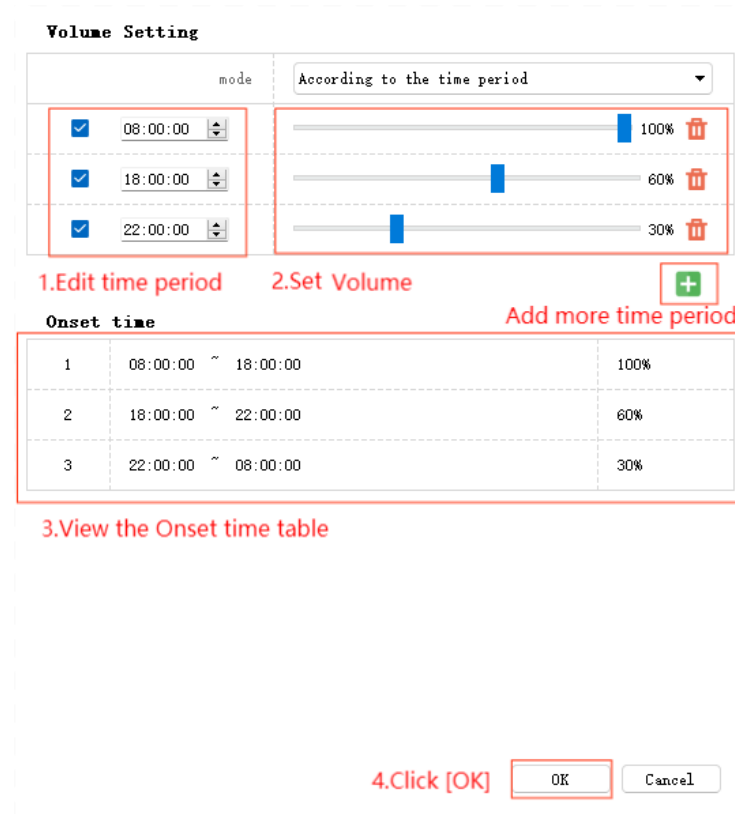
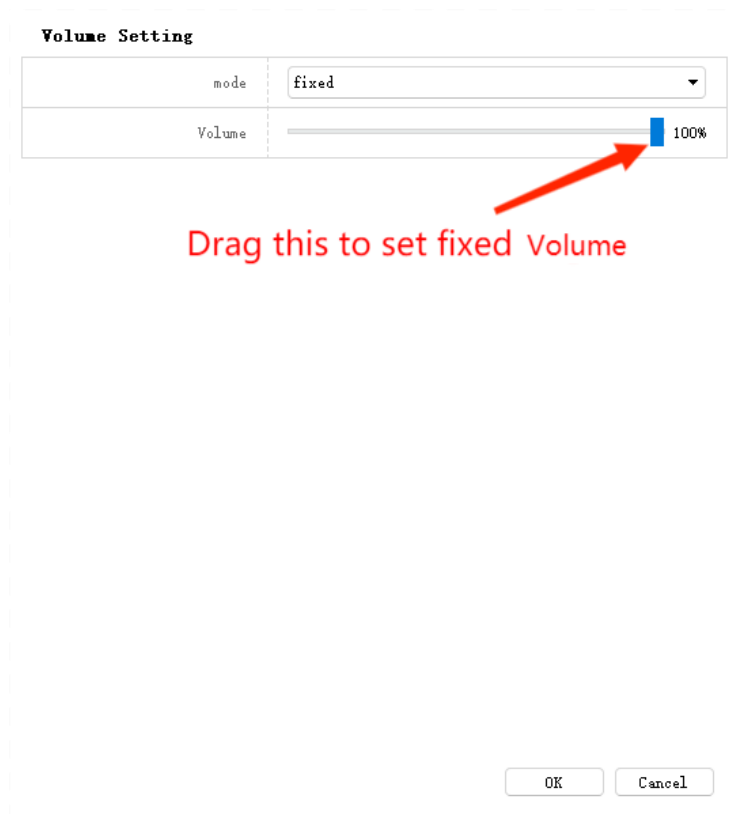
enable	☒
mode	Station
wireless setting	1. Select the WiFi - HDKJ - iPhone - HD17 - HD17-5G
SSID	HDKJ
Password	2. Enter password ••••••••
connection	connection

3. Click [OK] Ok Cancel

3.3.3 Volume setting

Fixed mode: set fixed volume

According to the time period: Set the time frame.



3.3.4 Brightness setting

Default mode: Set fixed brightness

Custom mode: Set the time frame for brightness

Automatic mode: D16 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]

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%

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]

Ok

Cancel

3.3.5 Time correction

Set the system time zone. D16 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	☐	
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

☒ **Enable the timer switch** 1.Tick here to enable

	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

2.Set the boot and off time

3.Tick here to make it effective

4.Click [OK]

Ok Cancel

Set on/off time for D16.

3.3.6 Relay setting

D16 supports relay installation.

	Relay name	Switch setting	
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Open Close OK Cancel

3.3.7 Network setting

Default is automatic acquisition. You can set fixed IP for D16.

Network settings

Automatic acquisition	☒ 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	☐ 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	☐	1.Tick
New password		2.Set password
Confirm password		

Note: Please save your password properly.

3.Click [OK]

3.3.9 Startup screen

You can upload the startup image to D16.



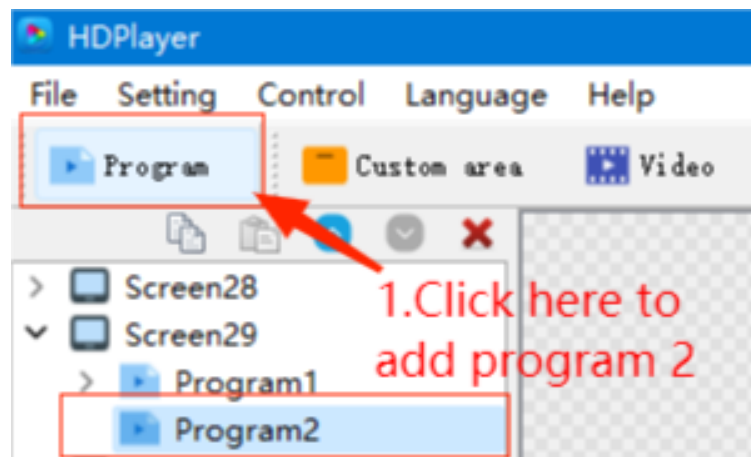
The screenshot shows a software window with the following elements:

- Checkbox:** A checkbox labeled "Enable the boot screen" is located at the top left. A red box highlights it, with the text "1. Tick here to enable" next to it.
- Text Field:** Below the checkbox is a text field with the placeholder text "please choose". A red box highlights the "..." button on the right side of the field, with the text "2. Click here to browse" next to it.
- Buttons:** At the bottom right, there are two buttons: "Ok" and "Cancel". A red box highlights the "Ok" button, with the text "3. Click [OK]" next to it.

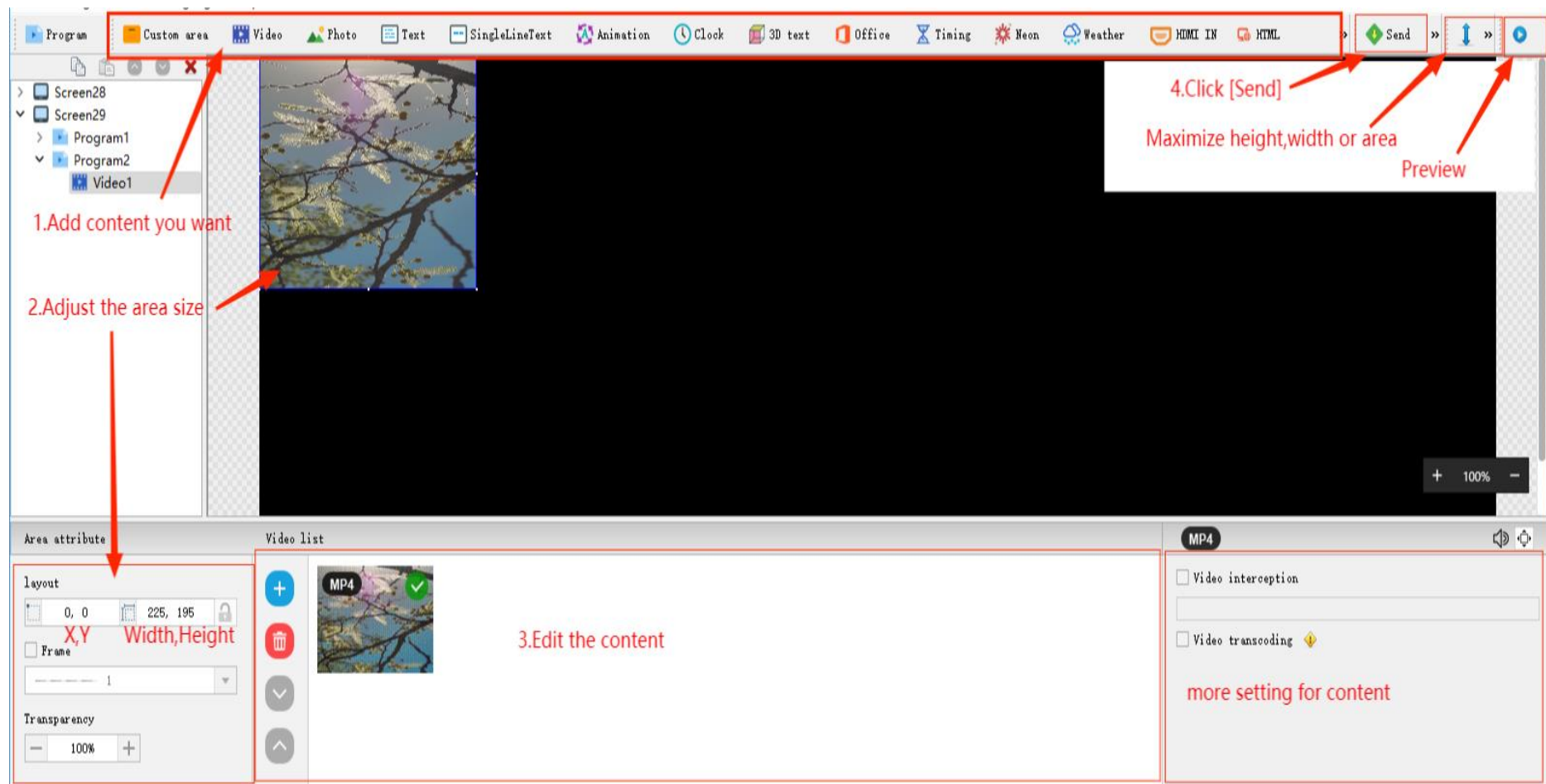
Chapter 4 Async Program Editing and Publishing

4.1 Publish programs by HDPlayer

1. Create new program



2. Add content into Program



3. Sending interface

Send Project

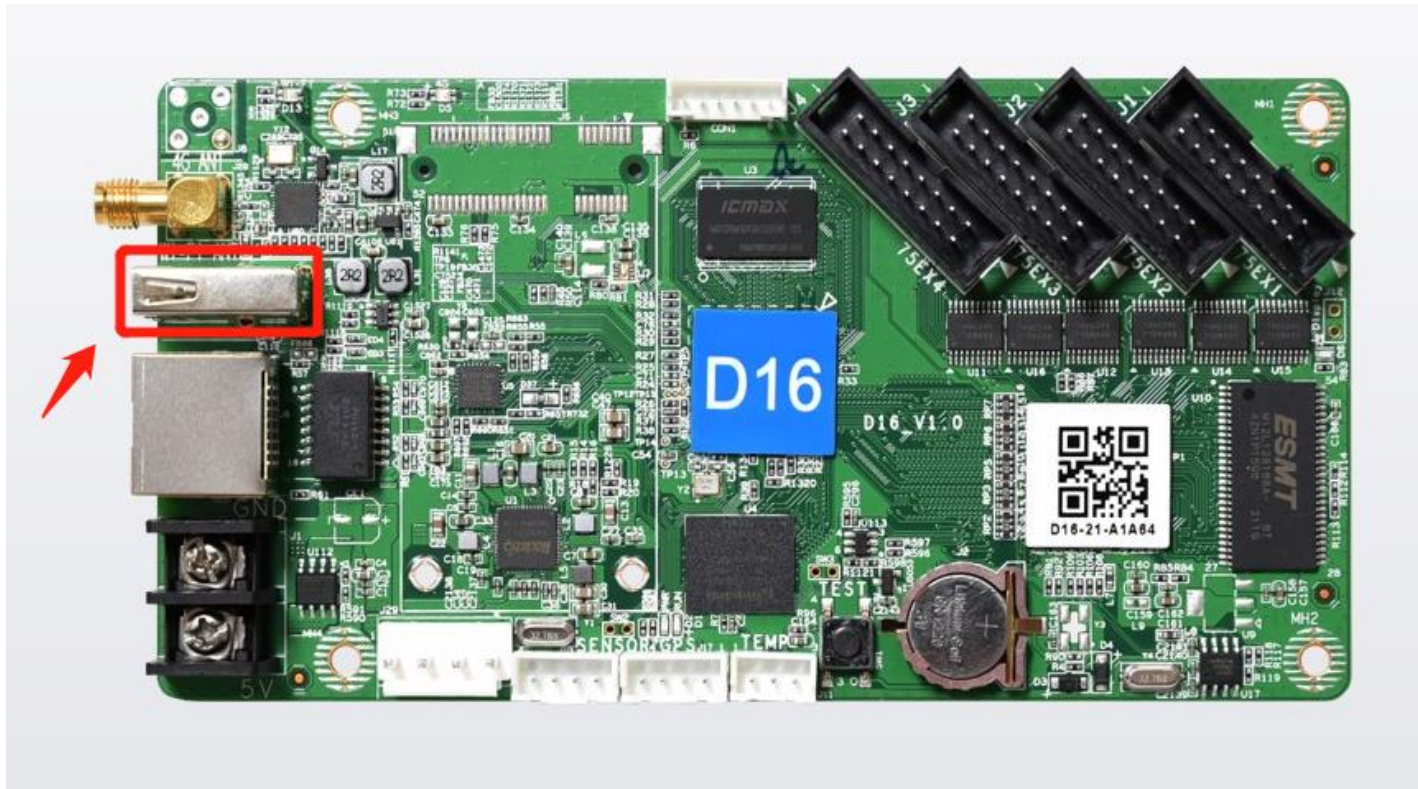
	☒	Device ID	Device name	Progress	Status
Screen28	☒				
Screen29	☒	A4-22-A0779	BoxPlayer	100% 156.6 KB	✓

Check status:
✓ mean success

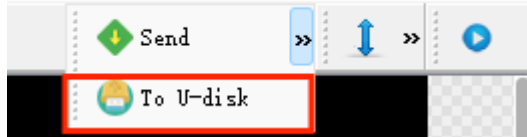
Send

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