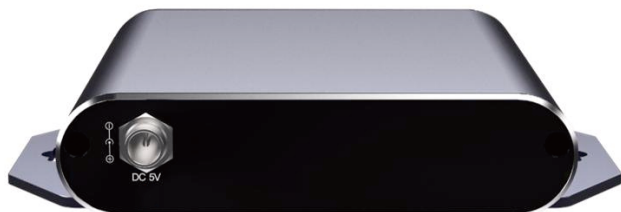


Colorlight

TD1

3D Box

User Manual V1.1



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Safety Information

To avoid personal injury and equipment damage, please read and comply with the following instructions.

Do not disassemble the device.

To avoid electric shock, do not disassemble the device without permission.

Use power supply and accessories approved by the manufacturer.

This device supports DC 5V power supply. Please use the power adapter delivered together with the device or adopt a power supply that complies with the electrical specification of the device.

Keep functional interfaces away from charged objects.

To avoid damage to the circuit components of the device, please keep the device's functional interfaces away from the other charged objects.

Grounding

To avoid electric shock, please ensure that the device is properly grounded.

Class A statement

Warning: Using the product in a residential environment may cause radio interference.

Environment requirements

Please use this device at altitudes of 5,000 meters or below.

Away from damp environment

The device is not water-proof. Please avoid direct contact with liquid and do not use the device in a damp environment.

Keep the device away from flammable and explosive sources.

Unpacking and inspection

After unpacking, please check the attached packing list and see whether all parts are included. If you find any parts incomplete or missing, please contact the seller promptly.

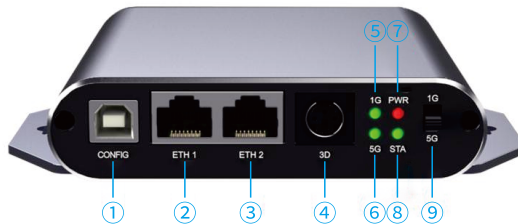
01 APPEARANCE

Front view



No.	Name	Description
1	DC 5V	Connects to 5V power adapter to supply power.

Rear view

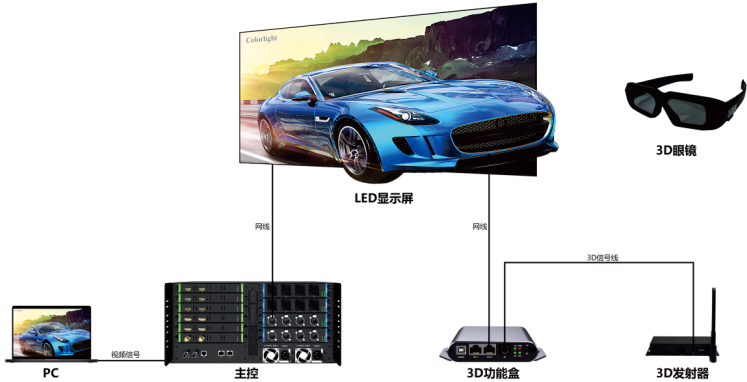


No.	Name	Description
1	CONFIG	USB port for firmware upgrade and firmware information detection.
2	ETH1	5G/1G Ethernet port for signal input or output.
3	ETH2	5G/1G Ethernet port for signal input or output.
4	3D	3D port for connecting to an external 3D emitter.
5	1G	1G signal indicator Steady green: In 1G mode without signal input. Blinking green: In 1G mode with signal input. The higher the input's frame rate, the faster the indicator blinks.
6	5G	5G signal indicator Steady green: In 5G mode without signal input. Blinking green: In 5G mode with signal input. The higher the input's frame rate, the faster the indicator blinks.
7	PWR	Power supply indicator Steady red when power supply is stable.
8	STA	3D signal indicator Off: 3D is disabled, or no 3D signal has been received by the 3D Box since the device's first successful launch. Steady green: 3D is enabled and the 3D Box has once received 3D signal but is not receiving the signal at the moment. Blinking green (1 time/2s): Single 3D mode. The 3D Box is transmitting 3D signal properly. Blinking green (2 times/2s): Dual 3D mode. The 3D Box is transmitting 3D signal properly.
9	1G/5G	1G/5G switch for manually switching between 1G and 5G mode.

02 DEVICE CONNECTION

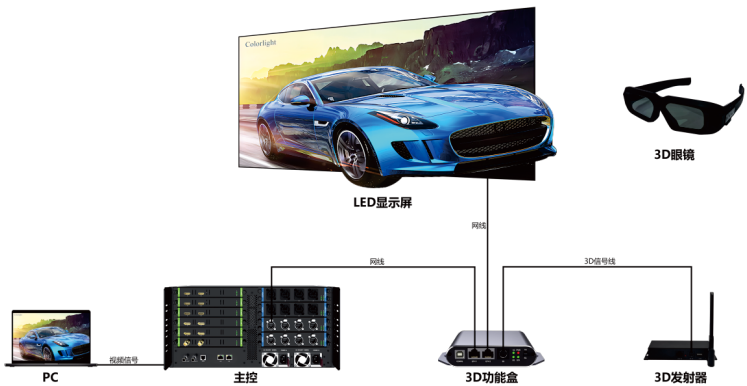
2.1 | Application 1

Connect the 3D Box to the last receiving card.



2.2 | Application 2

Connect the 3D Box to the processor and the receiving card.




03 SOFTWARE SETTINGS

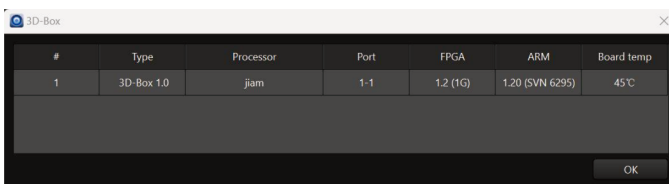
3.1 *iSet*

Configure the LED display using *LEDVISION* and *LEDSetting*, and carry out 3D settings using *iSet*.

- Make sure that the 3D Box is in 1G/5G mode as needed and is connected properly within the control system. Then, save the correct screen parameters using software and light up the screen.
- *LEDVISION* is software for media playback, *LEDSetting* is for screen configuration, and *iSet* is for display control. They are available in Colorlight's official website: www.colorlightinside.com
- You can carry out 3D settings in *iSet*.

3.1.1 View 3D Box Information

In the Device information tab of *iSet*, detect sender information first. Then, go to the Control tab and click the icon  for basic information of the 3D Box.



#	Type	Processor	Port	FPGA	ARM	Board temp
1	3D-Box 1.0	jiam	1-1	1.2 (1G)	1.20 (SVN 6295)	45°C

Figure 3.1-1 View 3D Box information

03 SOFTWARE SETTINGS

3.1.2 Enable 3D

Switch on the 3D toggle button to enable the function. Then, select 3D signal source and set the corresponding parameters, such as side-by-side or top-and-bottom signal source, signal delay, and so on.

- After enabling 3D, the 3D indicator on the 3D Box will start blinking. You can now connect the 3D Box to the 3D emitter and use the matching 3D glasses for viewing 3D contents.

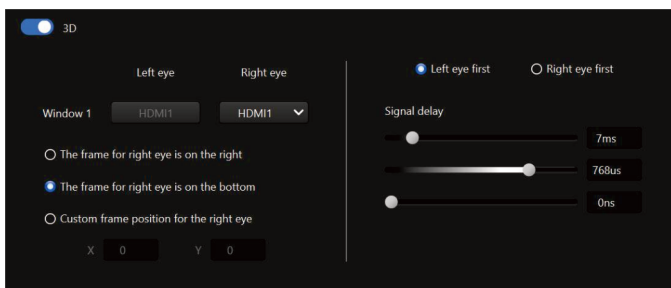


Figure 3.1-2 Interface for setting 3D function

3.2 *ColorAdept*

Use LEDVISION and LEDSetting to configure the LED display and then save the parameters for generating cabinet pack. After lighting up the LED display, add the cabinet pack and carry out 3D settings using ColorAdept.

03 SOFTWARE SETTINGS

- Make sure that the 3D Box is in 1G/5G mode as needed and is connected properly within the control system. Then, save the correct screen parameters using software and light up the screen.
- *LEDVISION* is software for media playback, *LEDSetting* is for screen configuration, and *ColorAdept* is for LED display control. They are available in Colorlight's official website: www.colorlight.com
- Exit *LEDVISION* before launching *ColorAdept*.
- You can carry out 3D settings in *ColorAdept*.

3.2.1 View 3D Box Information

Launch ColorAdept and select Accessories > 3D-Box to view basic information of the 3D Box.



Figure 3.2-1 Navigate to 3D Box information tab

03 SOFTWARE SETTINGS

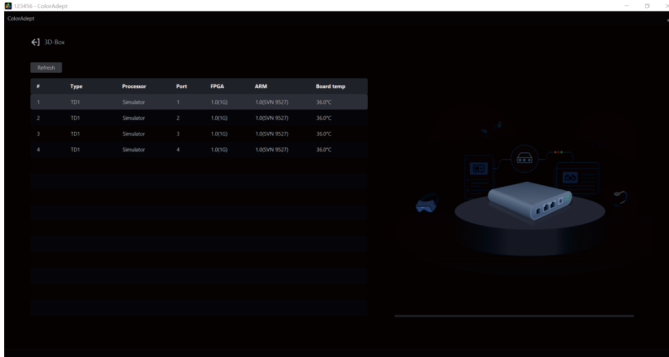


Figure 3.2-2 View3D Box information

3.2.2 Enable 3D

Under OUTPUT, click the NETWORK icon and then select MAGIC. Next, select 3D then select Single 3D or Dual 3D as needed. Complete the rest settings in the tab according to the actual situation, such as the 3D signal source format, signal delay, and so on.

- After enabling 3D, the 3D indicator on the 3D Box starts blinking. You can now connect the 3D Box to the 3D emitter and use the matching 3D glasses for viewing 3D contents.

03 SOFTWARE SETTINGS

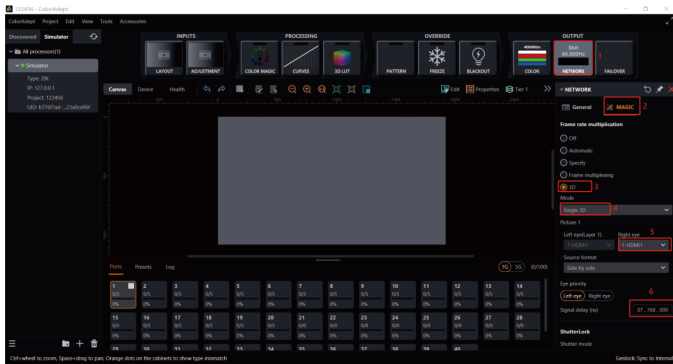


Figure 3.2-3 Interface for setting 3D function

04 FIRMWARE UPGRADE

To upgrade the 3D Box, connect the box using USB cable and then launch the software *LEDUpgrade*. Note that the 3D Box only supports upgrade via USB port and it does not support upgrade via Ethernet port.

- In *LEDUpgrade*, click Detect Function Box and then on the right side of the interface, select the target 3D Box for upgrade. Next, click Upgrade Firmware and then select the upgrade pack (.fw). You should power cycle the 3D Box after finishing the upgrade.
- After power cycling the 3D Box, you should click Detect Function Box again to double check the current version of the 3D Box, so as to confirm whether it has been upgraded as needed.

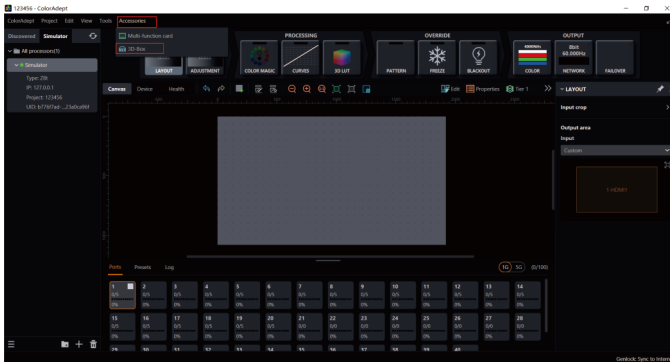


Figure 4-1 Interface of successful upgrade

05 LEGAL STATEMENT

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