AX06 / AX08

Playback Control Processor

User Manual V1.0

Cautions

Read all the safety information below before using A500 to ensure product safety and proper use.

1. **Do not open the cover**

   To prevent personal injuries, ensure that the cover of the device is only opened by Colorlight's technical support.

2. **Use power supply and accessories recognized by the manufacturer**

   Please use the power cord that comes with this product or the ones that meets the standard.

3. **Prevent ports from contacting other charged bodies**

   This product is an electronic device. Contact with other charged bodies may cause damage to the circuit components, negatively affecting the operation of the product.

4. **Away from fire, explosion, and other hazards**

   Keep this product away from fire, explosion, and other hazards. Do not use this product in a flammable and explosive environment.

5. **Class A Notice**

   Warning: Operation of this product in a residential area is likely to cause radio interference.

6. **This product is not waterproof. Do not come in contact with liquid or use it in a humid environment.**

Protective Measures

Adhere to the safety instructions when installing networking player in the case of personal injury and damage to the device.

Unpacking and Inspection

1. Before opening the package, please check whether the packaging of the networking player is damaged. If there is any damage, please timely report the claim to your carrier.
2. After unpacking, please check the attached packing list and see whether all accessories are included. If you find any

accessories missing, please contact the sales promptly.

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced radio/TV technician for help.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.
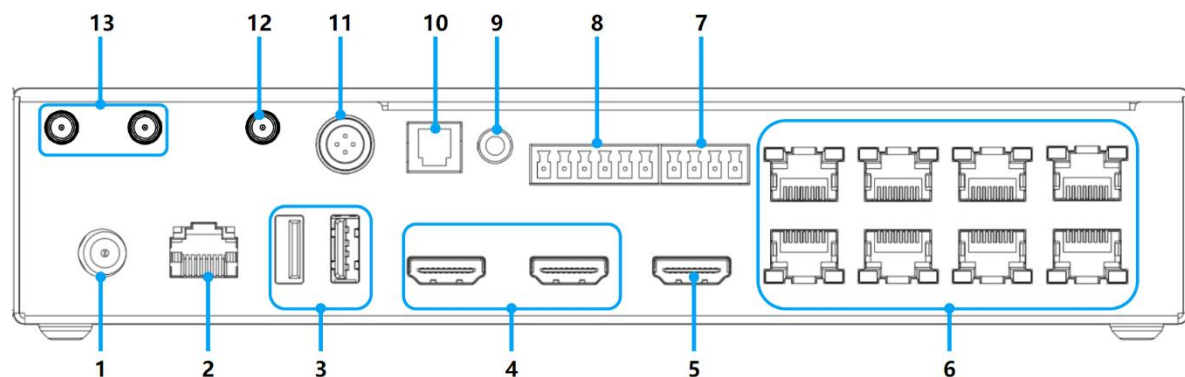
Appearance

Front Panel

No.	Name	Description
1	Infrared Receiver	Receive infrared remote control signals
2	Status LEDs	Solid red: Power supply normal Solid blue: Device running
3	Power Switch	Press: Sleep/Wake Press and hold: Power On/Off
4	USB Type-C	Debugging and setting display parameters. Connect to mouse, keyboard, USB-disk, 4K screen dongle, and other USB devices. Connect to USB-C display monitor.

Rear Panel

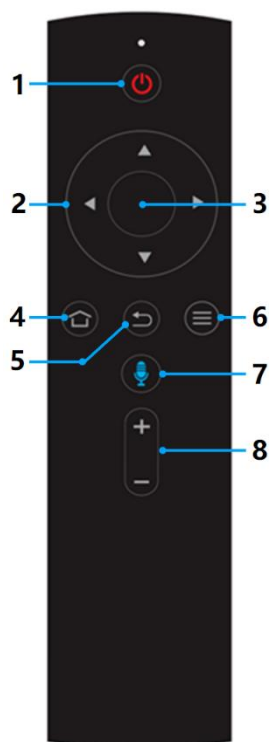| Power		
1	DC12V/3A	Connect to the power adapter
Control		
2	ETHERNET	Gigabit Ethernet port for wired network connection
3	USB-A	USB 2.0 and USB 3.0 ports for connecting USB devices like USB-disks, mice, and keyboards. Supported USB-disk formats: NTFS, FAT32, and exFAT
7	4-pin Phoenix	RS232: Connect to central control devices
8	6-pin Phoenix	1×IR IN: Connect to the infrared receiver for remote control signals 1×I/O: Input/output for programmable control functions 1×RELAY: Connect to the relay to control device switch 1×GND: For ground connection
11	SENSOR	Connect to the sensor to monitor environmental parameters (brightness, smoke, temperature, and humidity)
Input		
4	HDMI	**AX06:** 2x HDMI1.4 IN Support 3840x2160@30Hz，YUV444 Support HDCP1.4 **AX08:** 2x HDMI2.0 IN Support 3840x2160@60Hz，YUV444 Support HDCP1.4，HDCP2.2
Output		
5	HDMI2.0	1×HDMI 2.0, supporting 3840x2160@60Hz and YUV444
6	1~6 / 1~8	RJ45 Gigabit Ethernet ports for connecting the screen receivers
9	AUDIO	1×3.5mm Jack, supporting HiFi audio
10	SPDIF	1×SPDIF, supporting PCM, Dolby, and DTS audio signals
Antenna		
12	BT	Connect to Bluetooth antenna
13	WiFi1/2	Connect to WiFi antennas

Remote Control

No.	Name	Function
1	Power	Short Press: Sleep/Wake Long Press: Access Power Options (Reboot/Standby/Shutdown options available)
2	Arrow	Move cursor up, down, left, and right
3	Enter	Select the position where the cursor is located
4	Home	Short Press: Return to Home Screen Long Press: View Recent Applications, Switch Between Applications
5	Back	Return to the Previous Page
6	Menu	Short Press: Bring up the APP menu, or if not available, the System Menu Long Press: Bring up the System Menu
7	Voice	Voice Control
8	Volume	Increase or Decrease Volume

* Ensure the distance between the remote control and the player does not exceed 10 meters.

Quick Start

Follow these steps to learn about how to use the player.

Step 1: Connect the player to LED screen/LCD properly.
Step 2: Configure player parameters.
Step 3: Edit and publish your programs.

Note:
1. For more specific details, please refer to the next session.
2. To download the corresponding software, go to our official website (www.colorlightinside.com), and select Support > Downloads.
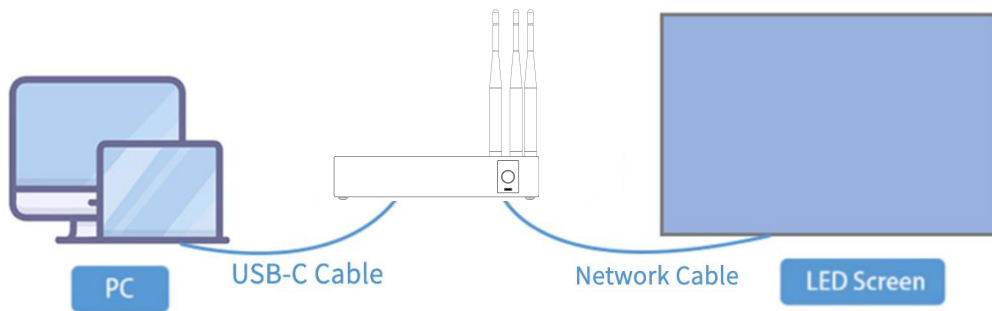
Corresponding Software

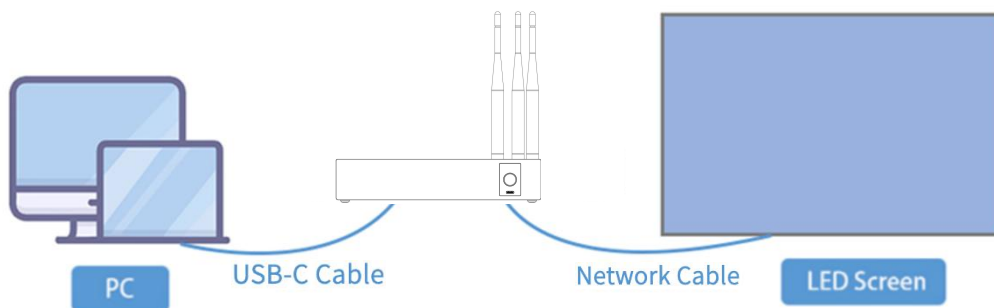| Name	Description
LEDVISION	Configures the parameters of receiving cards with the player - Program publishing and player management are not supported - Supports V9.61.50273 and later version
PlayerMaster	Manages local and cloud screens; edits and publishes programs - Supports V1.9.323 and later version
ColorlightCloud	A web-based screen information publishing and management system that allows cluster management of screens through the browser after logging in, information publishing, and monitoring
LED Assistant	Supports intuitive wireless control of the player through Android and iOS - Supports V5.1 and later version
LEDUpgrade	Updates the firmware of receiving cards - Supports V5.1.38603 and later version

Step-by-Step Guide

Step 1: Connect the player to LED screen/LCD properly

Output signal through the network port of player

Output signal through the HDMI of player

Step 2: Configure player parameters (no need for LCD)

The player parameters include:

1. Screen resolution: Ordinarily set it as the resolution of the LED screen.
2. Network: Access the network according to the application scenario.
   - Local playback: No need for configuration.

- LAN mode: Configure LAN, Wi-Fi, or Wi-Fi hotspot to fit your demand.
- Cloud mode: Configure LAN or Wi-Fi to fit your demand.

1. **Set screen resolution**

   Launch PlayerMaster. Click on ⋮ in the upper-right corner and select Software Settings > LAN Mode.

   Under the Device tab, select the current player at the left-hand sidebar. Click the Advanced icon ⚙ in the lower-right corner. Enter 168 in the Password field to access the parameter configuration interface.

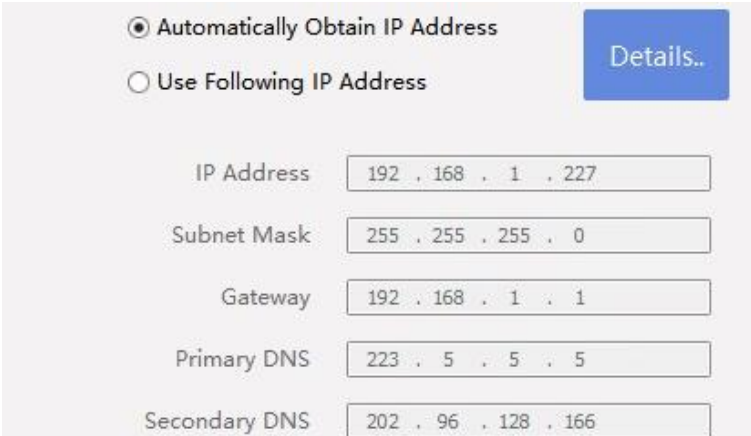   Screen Settings: Set the width and height according to the actual screen resolution.

2. **Configure network parameters**

   Under the Device tab, click the icon ⊕ to access the network settings interface:

   *This user manual takes LAN port as an example. After connecting the Ethernet cable, the player automatically gets the IP address. Once configured, program editing, program publishing, and device management are available through LAN.

3. Optional: Configure other parameters

Other functionalities: View Schedule, Brightness, Color Temperature, Volume, Time, Power, Signal Switch, and Device Language.

≡Q View Schedule	☼ Brightness	CCT Color Temperature	◀)) Volume	🕐 Time
⏻ Power	⊕ Network	⇌ Signal Switch	🌐 Device Language	⚙ Advanced

Step 3: Edit and publish programs

1. Under the Program tab, click on ➕ and set the program resolution (ordinarily insistent with the screen resolution). Click OK to access Program Editor.

Name	Description
Program	Basic unit that can be published to the terminal or terminal group
Program page	To rearrange window layout for a program, set different program pages or programs as you want
Window	You can add multiple types of windows in a program page. Window defines the program layout. The content of different programs varies. Program windows in the same program page are played simultaneously.
Material	Content displayed on the LED screen, including video, picture, GIF, txt file, doc file, xlsx file, and ppt file

* On each LED screen and in the same program page, all windows are played simultaneously. In the same window, media are played orderly.

2. Click on ➕ to add programs of different types

No.	Window type	Description
1	File Window	Video, picture, GIF, txt file, RTF file, doc file, xlsx file, and ppt file
2	Single-Line Text	Import a txt file or edit manually
3	Single-Column Text	Import a txt file or edit manually
4	Multi-Line Text	Import a txt file, RTF file, doc file, or edit manually
5	China Weather	Weather of cities in China
6	Global Weather	Weather of global cities
7	Environment	Temperature, humidity, smoke, noise, and air quality
8	Analog Clock	Round clock
9	Digital Clock	Digital clock
10	Timer	Positive timer or countdown timer
11	Webpage	Enter a website manually
12	Stream Video	Streaming media website
13	RSS	News subscription
14	Video Capture	Footage from external camera

3. Select a program window and material as desired. After editing, click on the save icon 💾 and the publish icon ✈. After publishing the program, it will be displayed on the LED screen.

More

This user manual provides a comprehensive view of networking player's basic functionalities.
To learn more about advanced functions, please contact relevant technical support for more information.

Statement

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