Colorlight

A4K Player

USER MANUAL

Safety Precautions

Before use of the equipment, please read all safety precautions to ensure safe and correct use of the product!

- **Do not open the cover**

  In order to prevent personal accidents, people rather than the Company's technical personnel may not open the upper cover of the equipment.

- **Please use the power supply and accessories approved by the manufacturer**

  The power supply of this product supports DC 5V-12V power input. Please use the power adapter attached with the package of this product.

- **Avoid all functional interfaces from contacting live objects**

  This product is an electronic product. If the functional interface contacts a live object, it may cause damage to the circuit components, thus affecting normal use of the product.

- **Keep away from inflammable, explosive and other dangerous goods**

  Keep away from inflammables and explosives. Do not use this product in inflammable and explosive environment!

- **This product does not support waterproof design. Do not directly have it contact liquid or use it in humid environment**

Safety Protection Measures

In all installation processes of A4K networking player, please follow the safety rules to avoid personal injury and equipment damage.

Unpacking and Inspection

After unpacking, check the items according to the packing list in the box. Please contact the salesman in time if you find the accessories are incomplete.

Overview

A4K is a new-generation cloud networking player, which supports 4K H265/H264 hardware decoding and 4K ultra high-definition output. Based on the powerful ColorlightCloud platform, functions such as player monitoring, program creating, program scheduling, program centralized publishing, and multi-level management are supported.

The A4K player supports various networking methods such as WiFi, wired and 4G networking, and can be deployed quickly to achieve intelligent cloud management, including multi-screen, multi-business and cross-regional unified management. With the use of PlayerMaster, you can edit and publish programs to A4K. Arbitrary multi-window layout and playback of various program materials such as videos, pictures, texts, tables, weather and clock are also supported. A4K can widely apply to commercial LCD display, such as the screen of chain stores, retail stores and advertisement players.

Features

- Support 4K ultra high-definition output
- Support multi-level management of cloud server and role-based program publishing
- Strong processing performance, supporting H265/H264 4K high-definition video hardware decoding and playback
- Dual band WiFi, with stable connection and fast transmission rates, supporting configuration as WiFi Station or WiFi AP
- Multiple playback modes
    - Support using a USB drive for plug and play content and program update
    - Synchronous playback of multiple screens
    - Program and command schedules
- Window and materials
    - Support playing multiple program pages (32 pages at most)

- Rich media materials, such as images, videos, texts and clocks, supporting video and image scaling
- Support playback and overlaying of multiple windows, whose size and location can be freely adjusted
- Support playing up to two high-definition windows or one 4K video window simultaneously

● Comprehensive control scheme

Support control and management from various platforms, such as LED Assistant for smartphones and tablets, and PlayerMaster for PC.

● Network communication

- Dual band and dual mode WiFi, supporting WiFi 2.4G and 5G band, WiFi hotspot mode or WiFi client mode[1]
- LAN, supporting DHCP mode and static mode
- 4G communication, supporting 4G network in various countries (optional)
- GPS positioning (optional)

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[1] The signal stability and quality of WiFi hotspot and WiFi client is related to the transmission distance, wireless network environment and WiFi band.

Hardware

SIM | 4G MAIN ANT | 4G DIV ANT | WIFI-STATION ANT | WIFI-AP ANT | DC 5V-12V

Connect to 4G
auxiliary antenna

Micro-SIM card slot

Connect to WiFi antenna

Connect to 4G main antenna
(Necessary in 4G networking)

Connect to WiFi antenna

DC 5V-12V
power input

RS232 | AUDIO OUT | HDMI | TYPE-C | SS | LAN

Connect to
PC to set
display
parameters
and publish
programs

Gigabit Ethernet port

USB 2.0, connect to USB camera,
USB flash drive

USB 2.0, connect to USB
camera, USB flash drive

3.5mm auido output

UART port, communicate
with external devices

HDMI output

USB 3.0, connect to USB
camera, USB flash drive

Quick Start Guide

You can learn how to use the A4K player after you master the following three steps:

Step 1: Properly connect the player with the LCD.

Step 2: Configure network parameters.

Step 3: Configure other parameters.

Step 4: Edit and publish programs.

Note:

1. Go to the next chapter to learn detailed configuration methods.

2. Download related software from www.colorlightinside.com.

# Detailed Setup Steps

Step 1: Properly connect the player with the LCD.
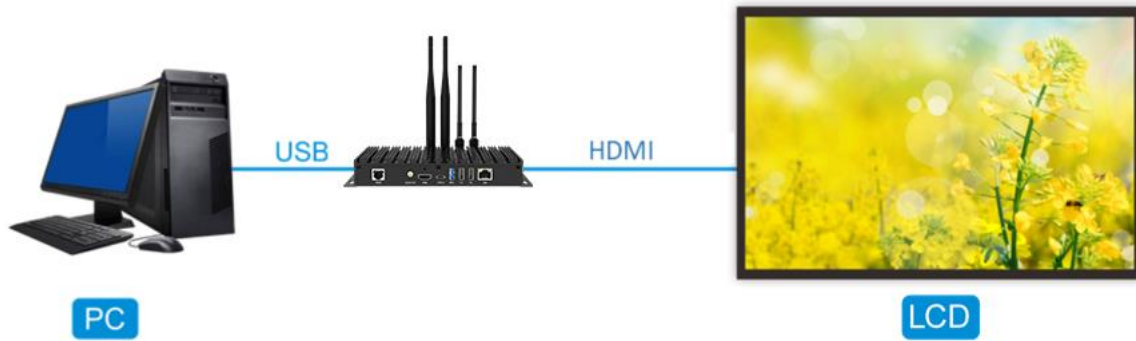
Step 2: Configure network parameters.

Standalone players do not need network configuration.

In LAN mode, you can select a network connection method from **LAN**, **WiFi**, and **WiFi hotspot** for configuration. In cloud mode, you can select a network connection method from **LAN**, **WiFi** and **4G** for configuration.

To configure network parameters, do the following:

① Connect the A4K player with the computer via USB cable.

② Open PlayerMaster, and select the device connected to the USB port.

③ On the **Device** page, click the network setting icon ⊘ to enter the following interface (Take **LAN** as an example, the player will automatically obtain the IP address after connecting to the Ethernet cable), and then click **Apply**.
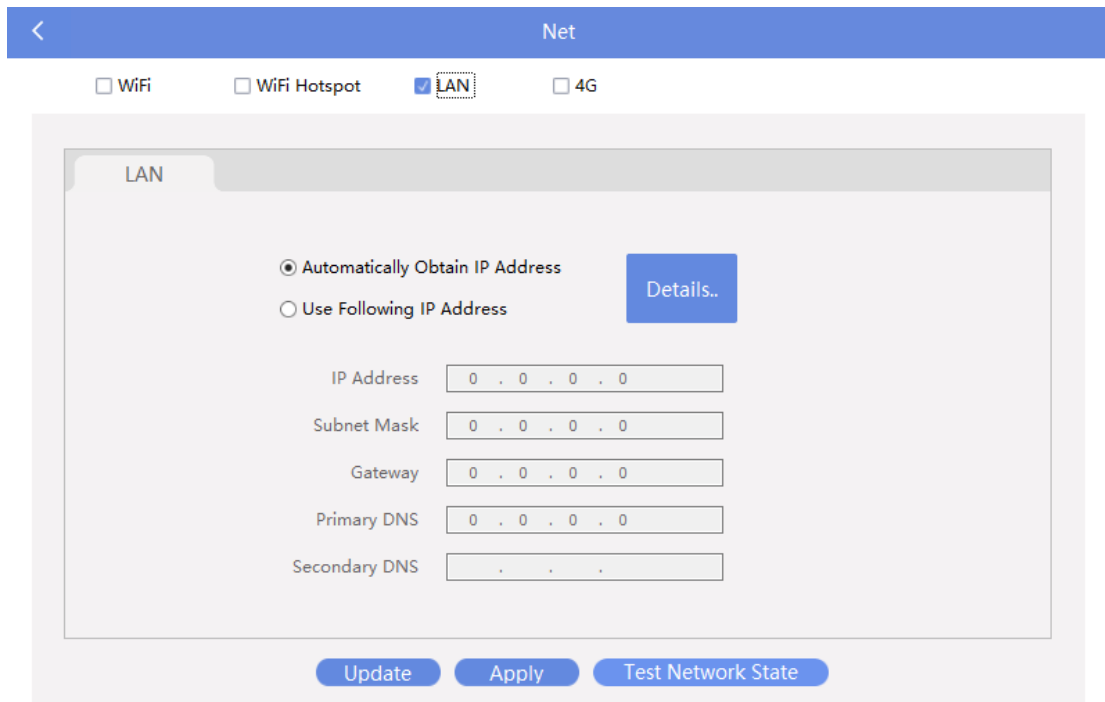
After setting, you can create and publish programs, and manage the device via this communication method.

Step 3: Configure other parameters.

Other functions: Viewing schedules, brightness settings, volume settings, time settings, power settings, device language settings, advanced settings.
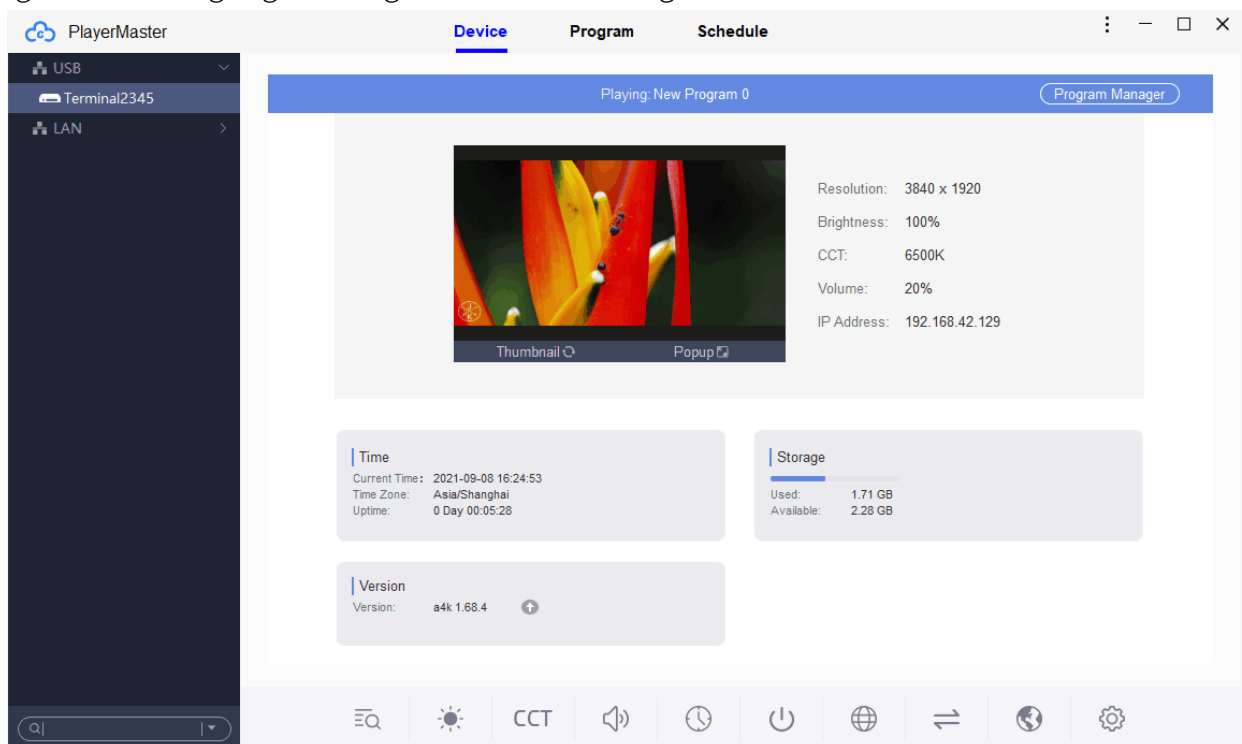
Step 4: Edit and publish programs.

1. On the **Program** page, click ╋Add and set program resolution (the same as screen resolution generally), and then click **OK** to enter the **Program Editor** window.
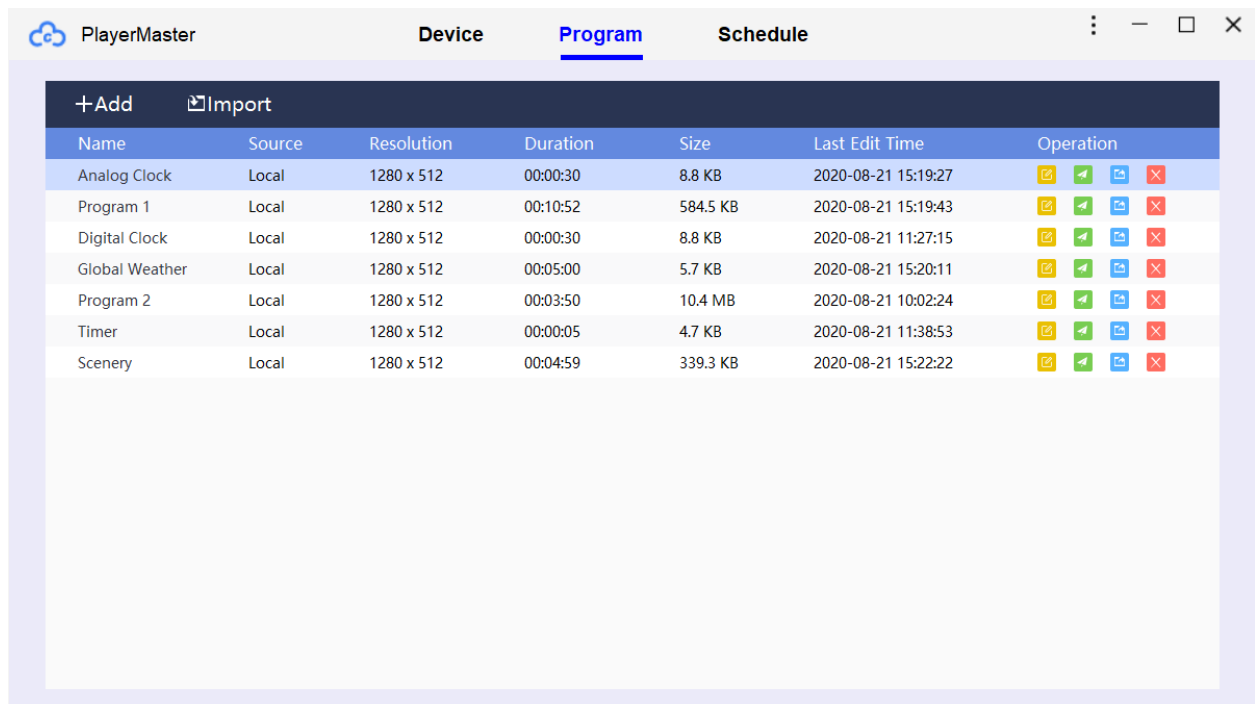

Program	Programs can be separately sent to the player for playing.
Page	If you want different window layouts in the same program, you can set the layouts in different program pages.
Window	You can add more than one window to one page. The content of windows on the same page will play simultaneously. You can set the layout of a program by adjusting the location and size of windows.
Items	It refers to the content displayed on the LCD display, including the video, picture, Gif, text file and Office file.

Note: Pages in the same program and contents in the same window both play successively,

while contents in different windows on the same page play simultaneously.

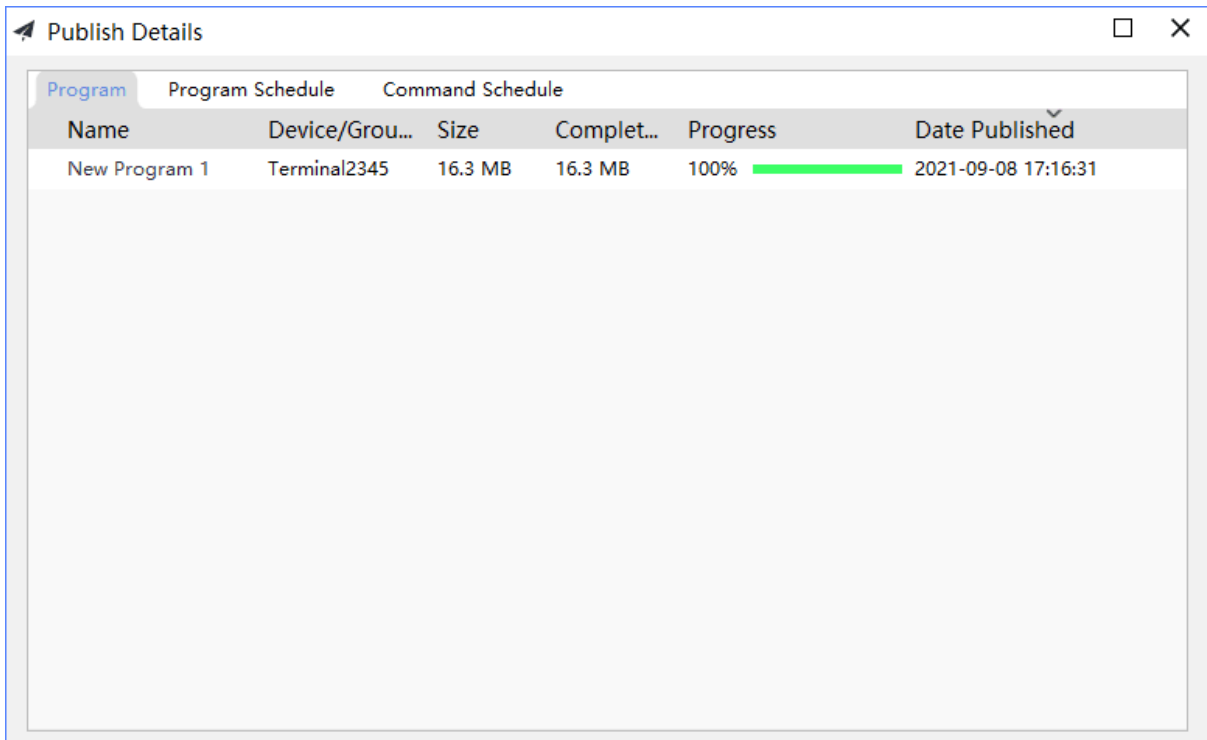2. Click ➕ to add different types of windows.
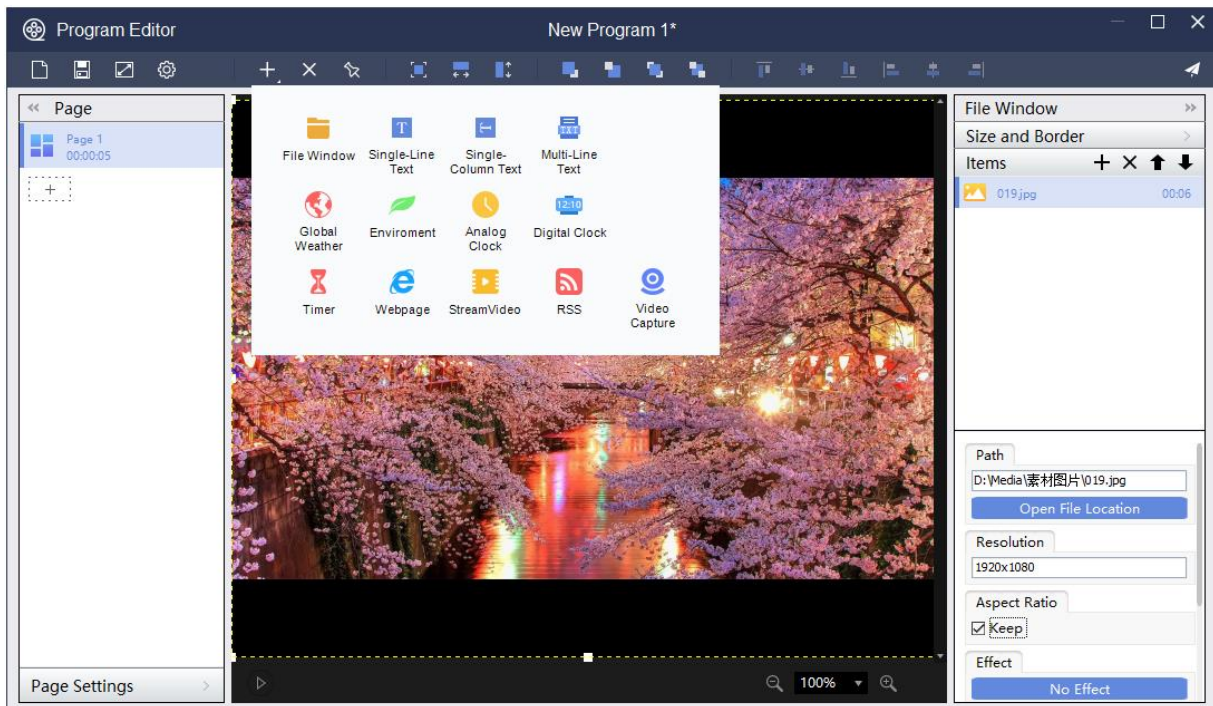
Description of Window Type

No.	Type	Description
1	File Window	Video, picture, Gif, Txt file, RTF file, Office file (Word, Excel, PPT)
2	Single-Line Text	Txt file, manually entered text
3	Single-Column Text	Txt file, manually entered text
4	Multi-Line Text	Txt file, RTF file, Word file, manually entered text
6	Global Weather	Global city weather
7	Analog Clock	Round analog clock
8	Digital Clock	Digital clock

9	Timer	Count up, count down
10	Webpage	Manually enter a website, such as "www.colorlightinside.com".
11	StreamVideo	Website video programs
12	RSS	News subscription

3. Select different windows and items that you wish to add to your program. After editing the program, click 💾 to save the program, and click ✈ to publish the program.
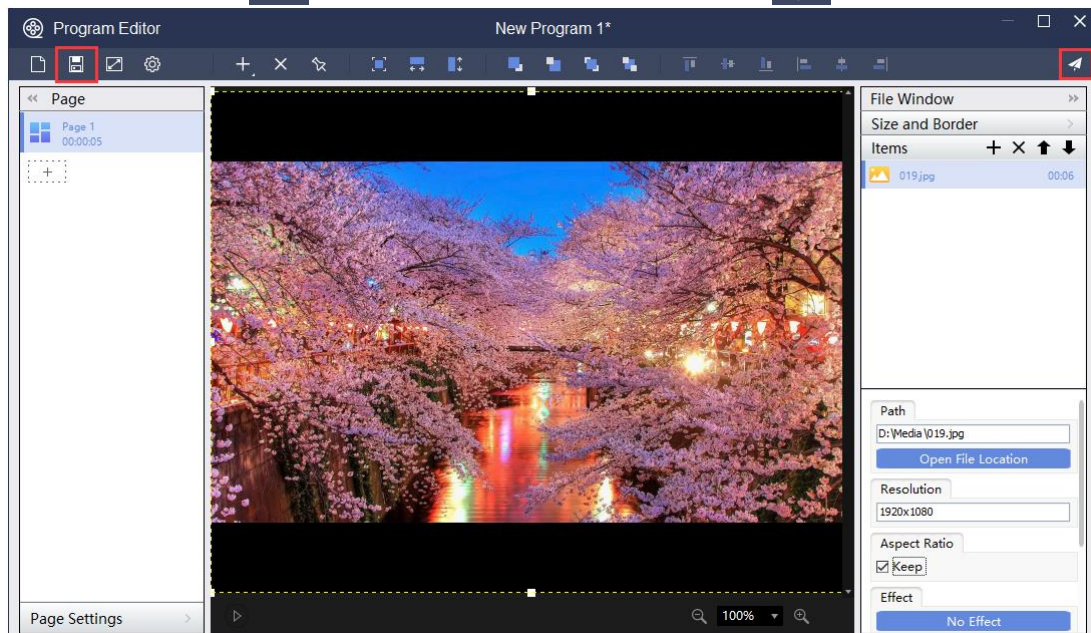
After sending the program, the LCD display will display the content you have just published.

Note

You can refer to the *PlayerMaster User Manual* for a detailed description of advanced functions or contact our technical staff for more information.

Visual Future