



Mooncell V4 Cloud platform

USER Manual

Applicable with M3 Studio PC software version 4.0.16 or later

Applicable with M3 Studio mobile app version 4.0.10 or later

Applicable with HallPlayer network media player version 4.0.16 or later

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1.Record

File Version	Release Time Update Record	
V4.0	August 21, 2025	First Release

2. Applicable Models

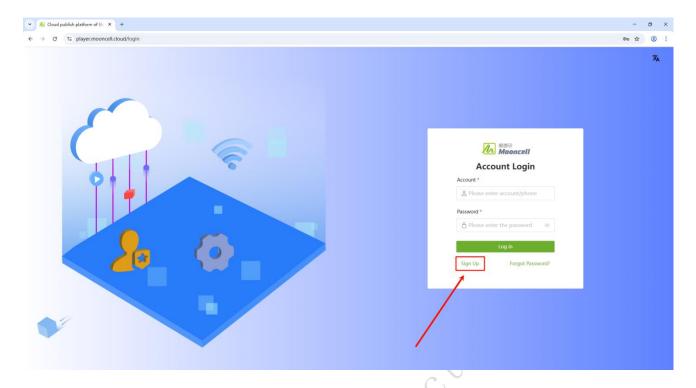
Device Models	Firmware Version	Broadcast Control Version
MP2	2025-07-24	HallPlayer4.0.18
MP4	2025-07-29/2025-08-05	HallPlayer4.0.18
MP401	2025-07-25	HallPlayer4.0.18
MB2	2025-07-28	HallPlayer4.0.18
MC75E	2025-07-23	HallPlayer4.0.16
MBR16	2025-07-23	HallPlayer4.0.16

3Login/Register

3.1 Register

Step 1: Open your browser. Users within China should enter https://player.mooncell.cloud/ and press Enter to access the site.

Step 2: On the login page, click "Sign Up."



Step 3: Enter the account application interface, fill in account information and verification code, then click the "Submit" button. Upon successful application, a "Account application completed" prompt will appear and will be automatically redirected to the login interface.

3.2 Login

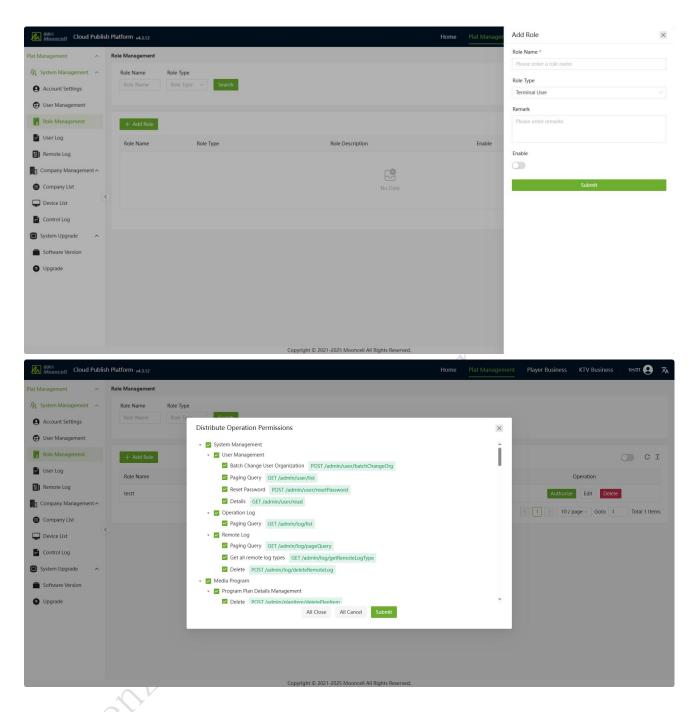
Step 1: Open your browser. Users within China should enter https://player.mooncell.cloud/ and press Enter to access the site.

Step 2: Enter your account credentials and click the "Login" button to access the Cloud Release homepage. The homepage defaults to the account settings interface (logging in with an unactivated account grants no permissions except password modification; administrator authorization is required).

Step 3: Add roles and grant permissions. Enterprise administrators require authorization from platform users, while end users require authorization from enterprise administrators (see 4.1.2 User Management for details).

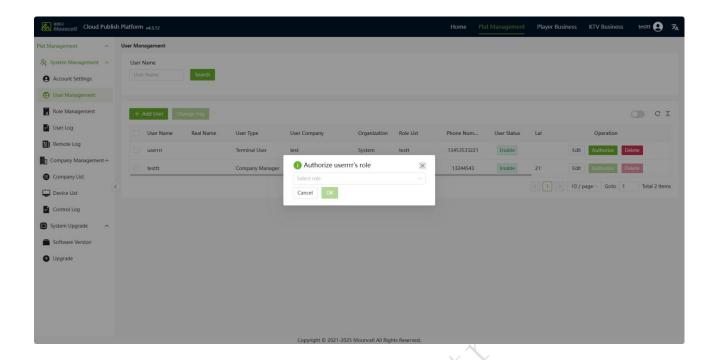
(1) Add roles. Before granting permissions, roles must be added in the Role Management interface. Click the "Add Role" button, enter the role name, then click "Enable" and submit to assign operational permissions.

[Note: Role authorizations for users are invalid if the role is not "Enabled" or lacks "Operational Permissions"]



(2) Authorization.

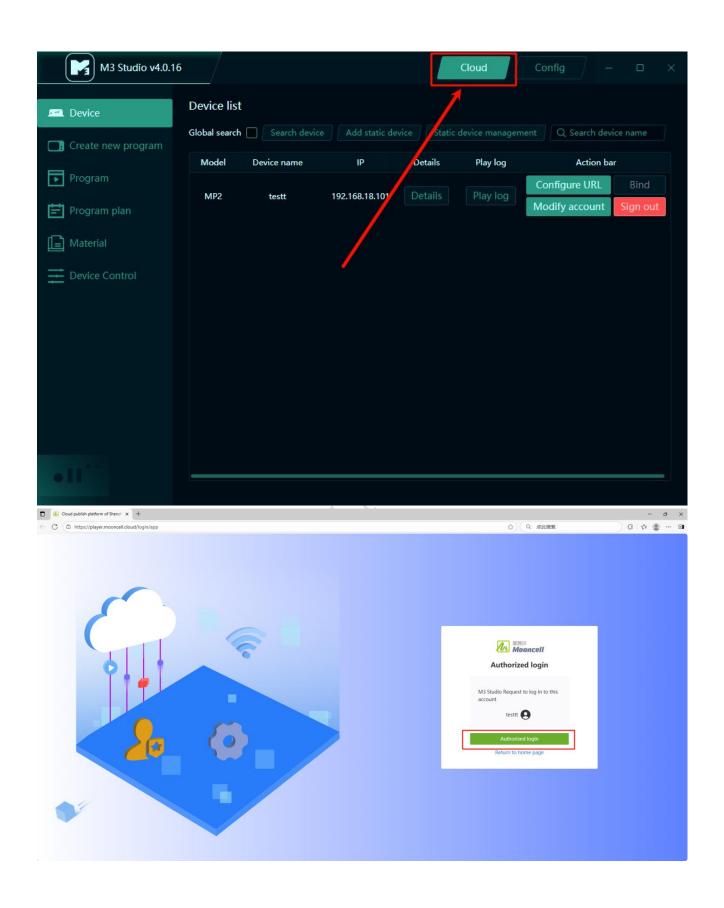
In the user management interface, click the Authorize button, select the created role, and then click OK.

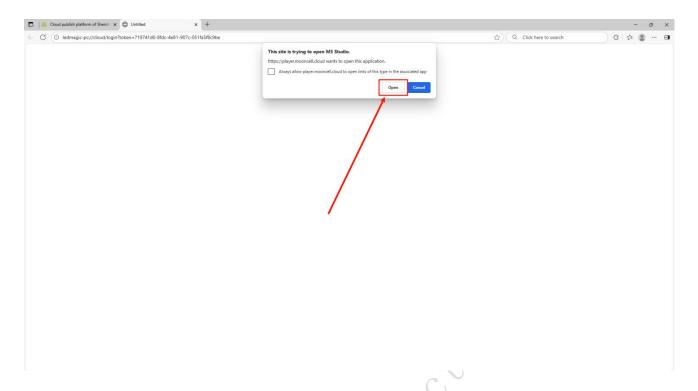


3.3 Bind Device

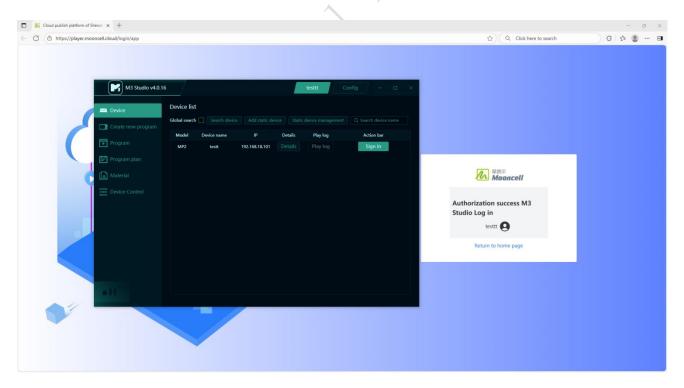
3.3.1 PC Binding

Step 1: Open the M3 Studio client software (required to bind the MB series media player to the Mosier Cloud platform via M3 Studio). Click "Cloud Login," then select "Authorize Login" and click "Open."





Step 2: Click "Search Devices" to refresh the device list. After clicking "Login," a login pop-up window will automatically appear. The default username and password are both "admin." Click Login.

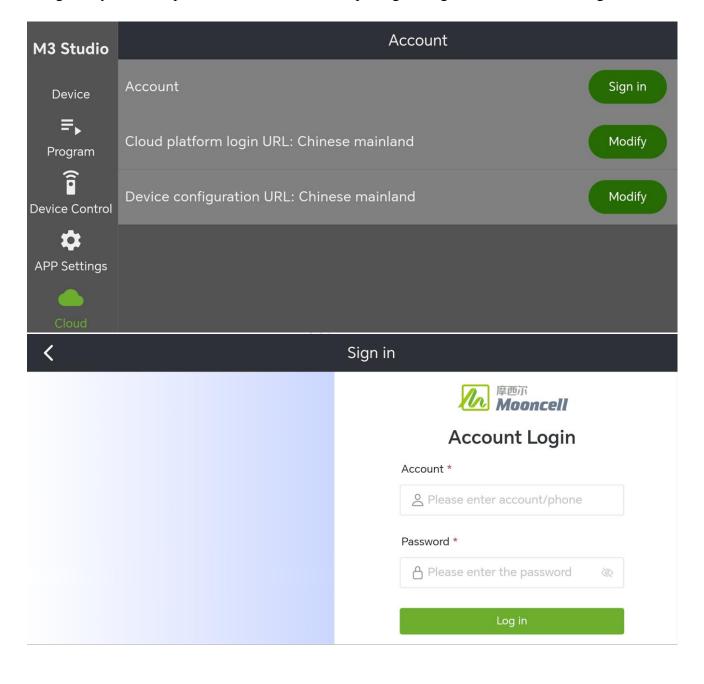


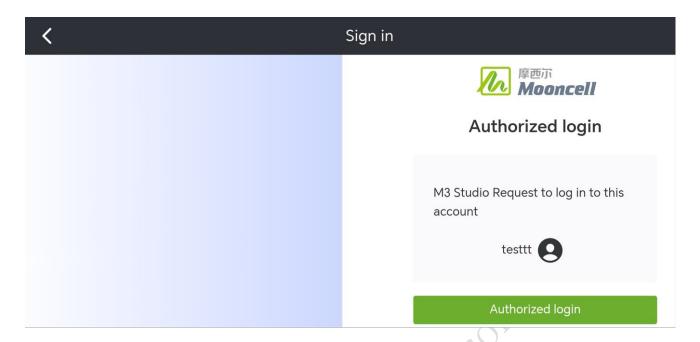
Step 3: Click the "Bind" button. After successful binding, return to the home page where you can view the bound device information in the device list.

3.3.2 App Binding

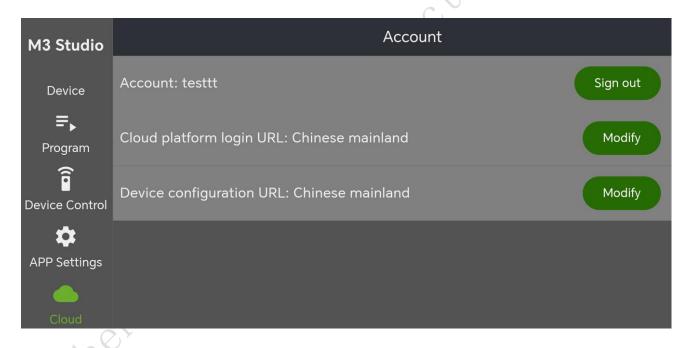
Domestic users should use the default login address and configuration URL when logging in. Overseas users must modify the login address and configuration URL when logging in.

Step 1: Click "Login" to access the cloud platform login interface. Enter your account and password to log in to your cloud platform account. After completing the login, click "Authorize Login."





After authorization login is completed, the account field displays the cloud platform account name.



Step 2: Click Device Management. After connecting the device, click "Bind" to associate it with the cloud platform. Once binding is successful, the button will display as "Bound." You can then view and control the device in the cloud platform's device list.

4.Platform Management

4.1System Management

	Account	User	Role	System	Remote
	Settings	Management	Management	Log	Logging
Platform Users	√	$\sqrt{}$	$\sqrt{}$	√	V
Enterprise Administrators	√	V	V	√ _	
End Users	√	V		N S	

4.1.1 Account Settings

Users can view basic information and change their passwords. If the old password is entered incorrectly, the system displays "Incorrect password" and the change fails. If the old password is entered correctly, the system displays "Password changed. Please log in again" and automatically redirects to the login page.

4.1.2 User Management

(1) Platform Users

Platform users perform precise searches using username, user type, and role name. When no user type is selected, role name selection is disabled.

After users submit account applications, platform users bind them to enterprises. They may search for existing enterprises or create new ones for binding. Accounts bound to existing enterprises default to end-user status, while those bound to newly created enterprises default to enterprise administrator status. Platform users can grant permissions to enterprise administrators and other platform users, but cannot authorize end users. Platform users cannot delete accounts but can modify the real name of an account or lock it via the edit button. Locked accounts cannot log in, and accounts that are logged in when locked will be forcibly logged out.

(1) Bind Enterprise

Click "Bind Enterprise". If the enterprise the user is applying to bind to has already been created, click the bind button (after successful binding, this user type becomes an end-user). If the enterprise the user is applying to bind to has not been created, click "Create Enterprise", fill in the enterprise information, then click the create and bind button (after successful binding, this user type becomes an enterprise administrator).

②Edit

Click the "Edit" button in the operation bar to modify the account's real name or lock the account. Click 'Submit' after editing. Locked accounts cannot log in, and logged-in accounts will be forcibly logged out upon locking. Account information is not deleted after locking; click "Edit" to reactivate it.

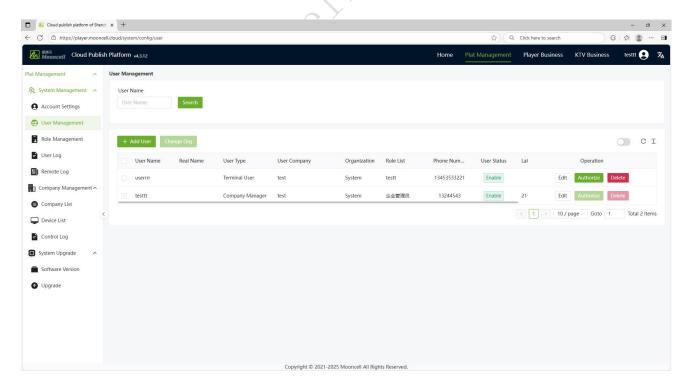
(3) Authorization

Click the "Authorization" button in the operation bar, select a role, then click "Confirm" (authorized user roles must be greater than or equal to 1). Platform users cannot grant authorization to end users.

(2) Enterprise Administrator

Enterprise administrators perform precise queries using usernames.

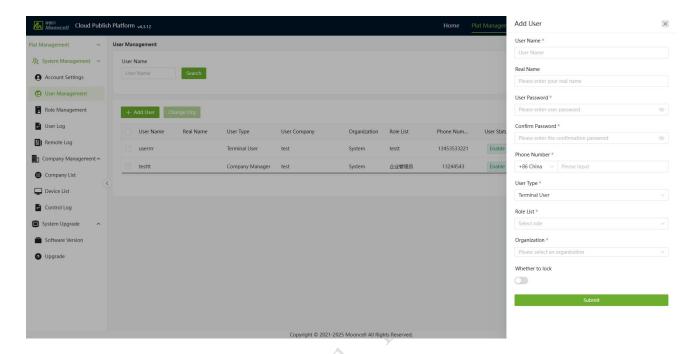
Enterprise administrators can view and edit all accounts within the enterprise, authorize and delete end users. Authorized end users gain operational permissions for this role, while deleted end users lose login access and have their account information permanently removed. These accounts can be re-added by adding new users. Additionally, enterprise administrators can change an end-user's organizational affiliation. System group administrators can view users, devices, assets, and programs within both system groups and public groups. Public group administrators can only view users, devices, assets, and programs within public groups.



(1) Add User

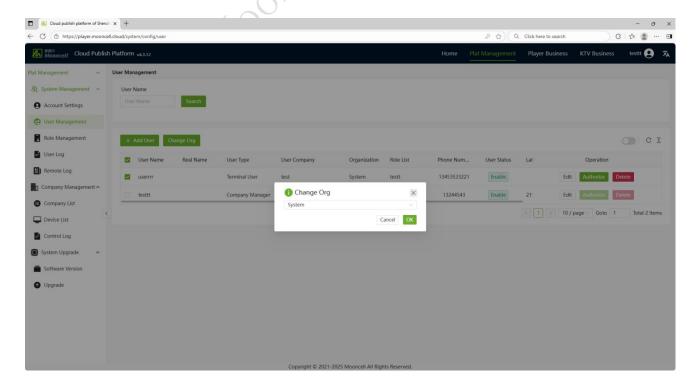
Click "Add User," fill in the user information, and then click Submit.

[Note: After submitting an application on the account registration page, end users must be linked to an enterprise by a platform user before appearing in the enterprise administrator's user management interface. It is recommended that enterprise administrators add end users directly within the user management interface.]



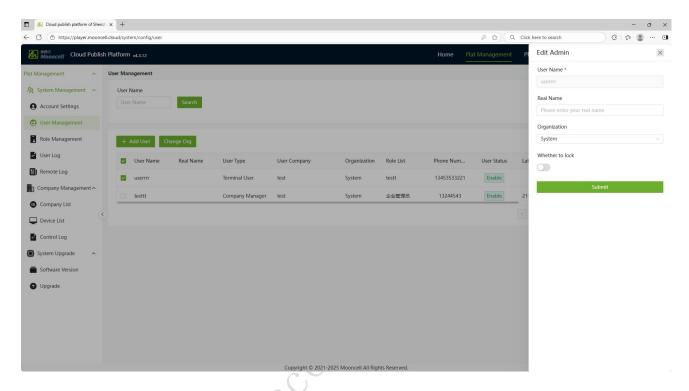
2 Change Organization

Select one or more users in the user list, click "Change Organization," choose the organization, then click OK.



1)Edit

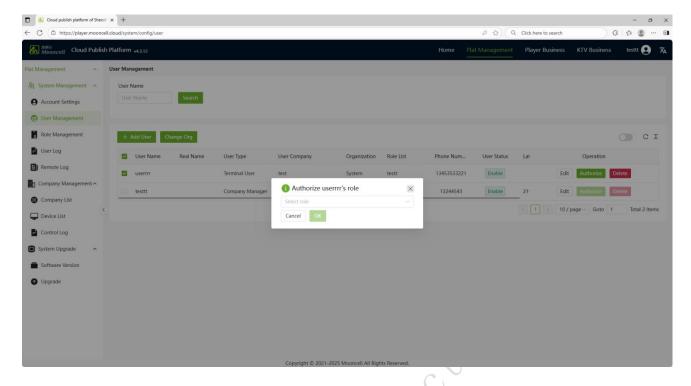
Click the "Edit" button in the operation bar to modify your real name, edit organizational department, or lock/unlock your account. Click 'Submit' after editing. Locked accounts cannot log in, and logged-in accounts will be forcibly logged out upon locking. Account information remains intact after locking and can be reactivated by clicking "Edit."



4 Authorization

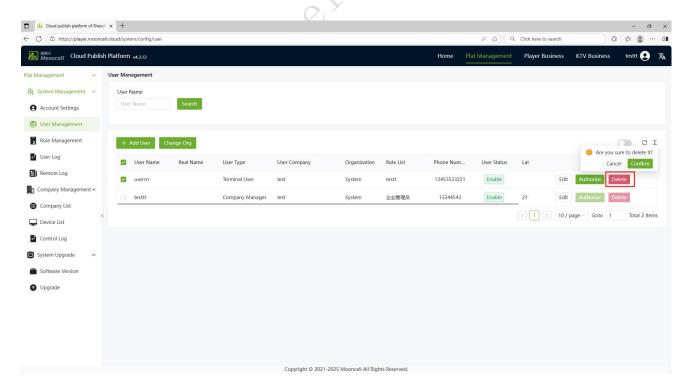
Click the "Authorize" button in the operation bar, select the role, then click OK (the authorized user role must be greater than or equal to 1).

[Note: If the user still lacks permissions after authorization, verify whether the role is enabled and whether the operation permissions are authorized.]



(5) Delete

Click the "Delete" button in the action bar. After confirming, the account will be deleted. Deleted accounts cannot log in, and their information will be permanently removed and cannot be recovered. The account can only be re-added by adding a new user.



(3) End Users

End users perform precise queries using usernames.

End users are prohibited from editing, authorizing, or deleting operations.

4.1.3Role Management

(1) Platform Users

Platform users can perform precise queries by role name and role type.

Platform users can add platform users and enterprise administrator roles, and perform authorization, editing, and deletion operations on existing roles. Platform users are prohibited from authorizing or editing end-user roles.

(2) Enterprise Administrators

Enterprise administrators can perform precise queries by role name and role type.

Enterprise administrators can add end-user roles and perform authorization, editing, and deletion operations on existing roles.

4.1.4 System Log

Users can perform precise queries using username, operation category, and operation result.

System logs display username, login IP address, operation category, operation action, operation status, operation result, supplementary information, and creation time.

4.1.5 Remote Logging

Users can perform precise queries using log sources (unique device or app IDs), application names, filenames, log types, and date ranges.

Remote logs display the log source, log type, application name, filename, log time, and returned results. Clicking a filename automatically downloads the latest packaged log uploaded by the device.

4.2 Enterprise Management

	Enterprise List	Device List	Control Log
Platform Users	$\sqrt{}$	$\sqrt{}$	\checkmark
Enterprise Administrators	V	V	V
End Users	V	V	V

4.2.1 Enterprise List

(1) Platform Users

Platform users perform precise searches using company names.

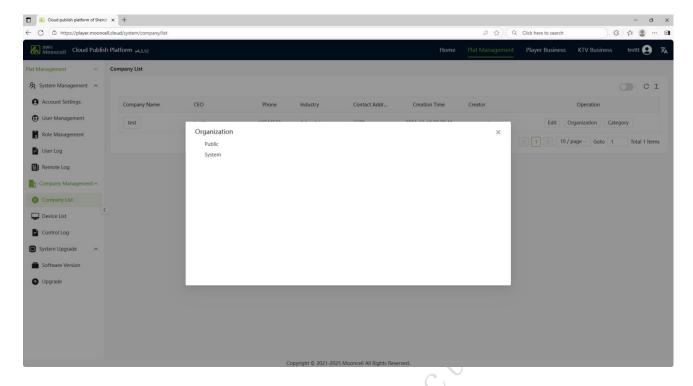
The company list displays company name, company representative, company contact number, industry sector, contact address, creation date, and creator. Platform users may choose whether to activate a company. Disabled companies will result in the deactivation of all associated company administrators and end users. Platform users can edit company-related information.

(2) Enterprise Administrators and End Users

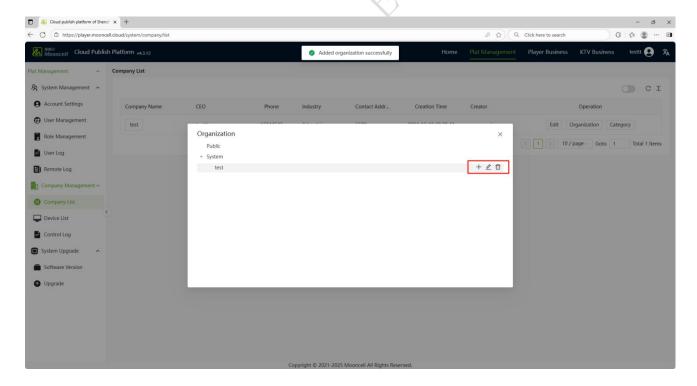
Enterprise administrators and end users can only view the following information for bound enterprises: enterprise name, responsible person, contact phone number, industry sector, contact address, creation date, and creator. Enterprise administrators and end users can edit enterprise-related information, organizational departments, and classifications.

(1) Organizational Departments

Public groups cannot add sub-workgroups. Hover the mouse over "System Group," click the "+" to open the Add Organization pop-up, enter the sub-workgroup name, then click "OK" to successfully create the workgroup.



Hovering the mouse over a sub-workgroup displays the "+" icon, "Edit icon," and "Delete icon." Created sub-workgroups can be further expanded with child workgroups or edited/deleted.



2 Categories

Hover over "All" and click the "+" to open the add category pop-up. Enter the subcategory name and click 'OK' to successfully create the category. Hover over a subcategory to display the "+", "Edit icon", and "Delete icon". Created subcategories can be further expanded with sub-subcategories or edited/deleted.

4.2.2Device List

Users can perform precise queries using online status, device model, and unique device ID to view bound device information and perform unbinding operations.

When abnormal crashes occur on the device end, log files are automatically uploaded. Platform users clicking "Retrieve Logs" will be redirected to the remote log interface to obtain the latest packaged logs uploaded by the device.

4.2.3Control Log

er, device nar.

Sherither Users perform precise queries using the device's unique identifier, device name, and commands.

4.3 System Log

	Media Format	Video encoding	Product Configuration	Material Classification
Platform Users	√	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Enterprise Administrators				
End Users				

4.3.1 Media Format

Users can perform precise searches by file name suffix and add, edit, or delete media formats.

4.3.2 Video encoding

Users can perform precise searches using video encoding names to add, edit, and delete video encodings.

4.3.3 Product Configuration

Users can perform precise searches by product name to add, edit, or delete product configurations and associated video encodings.

4.3.4 Material Classification

Users can perform precise searches using asset category names to add, edit, and delete assets.

4.4 System Upgrade

	Software Version	Upgrade Management
Platform Users	\checkmark	\checkmark
Enterprise Administrators	V	V
End Users	V	V

4.4.1 Software Version

Users can perform precise searches using product name, model number, version number, or supported upgrade versions. Platform users and enterprise administrators can click the "Gray List" button to add users to the gray list. Once a version is released, users cannot be added to the gray list; only viewing operations are permitted.

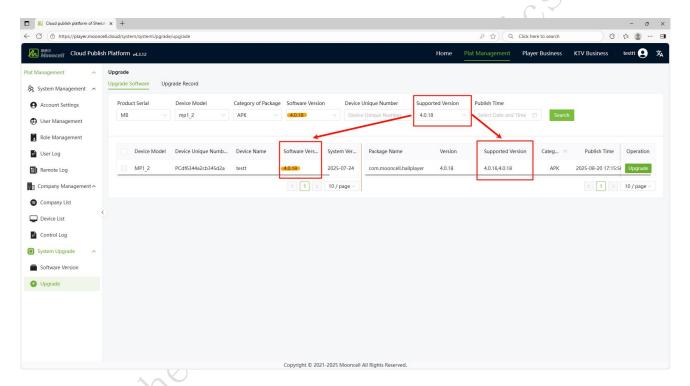
4.4.2Upgrade Management

(1) Software Upgrade

Select the product name, device model, package type, software version, and supported versions in sequence before clicking the "Query" button to perform the search. Only after selecting the device can you click the "Upgrade" button to initiate the upgrade process.

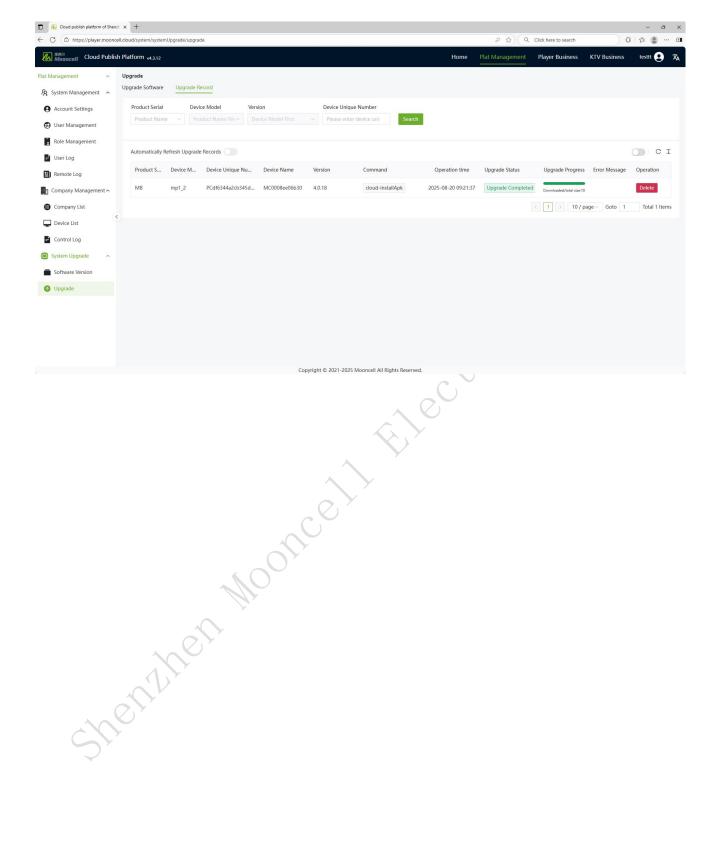
The "Software Version" field corresponds to the version number of the software to be upgraded.

The "Supported Versions" field indicates the compatibility between the device's current software version and the supported versions of the software to be upgraded.



(2) Upgrade History

Users can perform precise searches using product name, device model, version, or device ID. The device upgrade history is displayed. Clicking the "Delete" button removes the entry from the list.

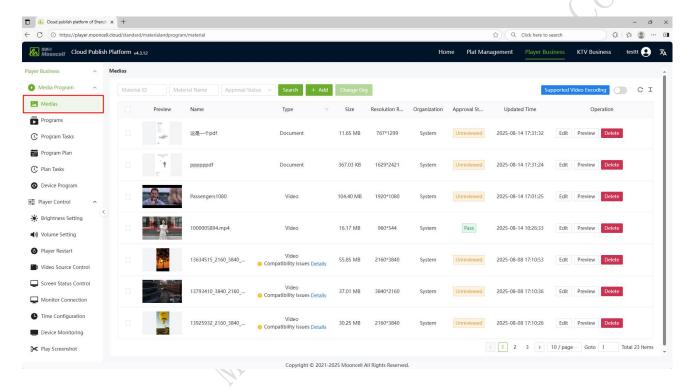


5.Player Business

5.1 Media Programs

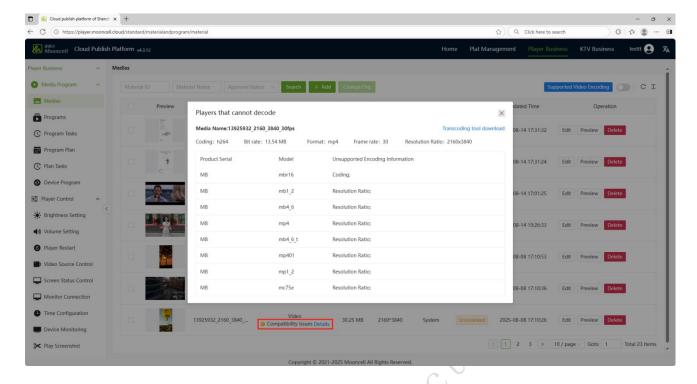
5.1.1 Media Library Management

To select the player service, click "Media Library Management" in the left navigation bar.



(1) Add Media

Click "+ Add Media" to access the local media file path, then select and open the media. Media with compatibility issues will display a prompt; click Details to view specific information.

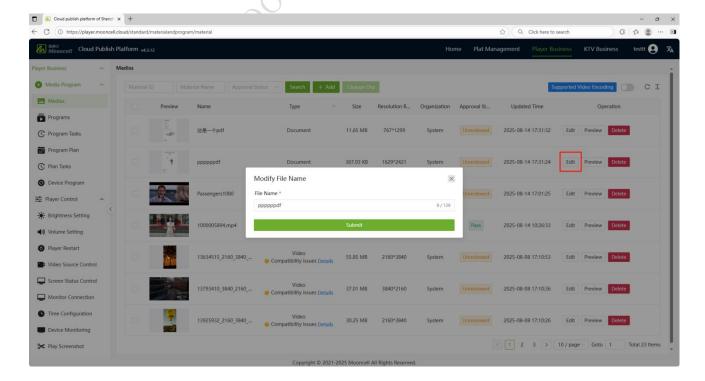


(2) Change Organization

Select one or more assets, click "Change Organization," choose the target organization, then click "OK."

(3) Edit

Click "Edit," enter the new filename, click "Submit," and the filename will be successfully modified.



5.1.2 Program Management

Program types include: Video, Image, Document, Text, Rich Text, Digital Clock, Analog Clock, Weather, Webpage, Sensor, Timer, Streaming Media, HDMI IN.

Video: Add video programs, supporting modification of basic video properties.

Image: Add image programs, supporting modification of basic image properties.

Document: Add PDF files, supporting modification of basic PDF properties.

Text: Add text programs with support for editing basic text properties.

Rich Text: Supports playback of rich text programs.

Digital Clock: Displays a digital clock with support for editing basic clock properties.

Analog Clock: Displays an analog clock with support for editing basic clock properties.

Weather: Displays real-time local weather conditions.

Webpage: Display the Mosier official website, supporting webpage path editing.

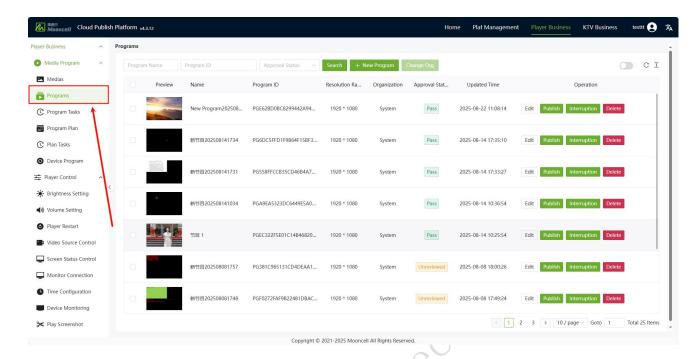
Sensor: Supports temperature and humidity sensors, displaying current environmental readings.

Timer: Timer program supporting both count-up and countdown modes.

Streaming Media: Supports streaming media playback.

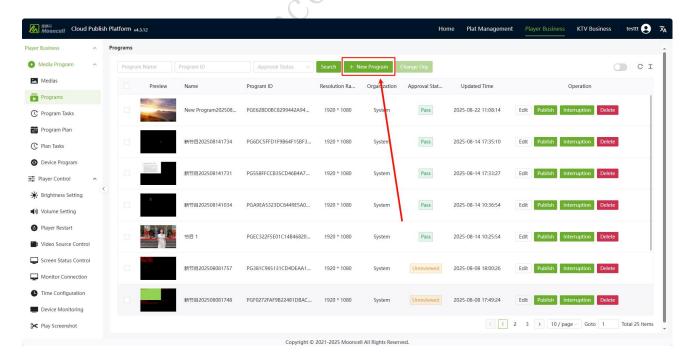
HDMI IN: Supports up to one HDMI IN source per screen; MP4 files support HDMI IN program playback.

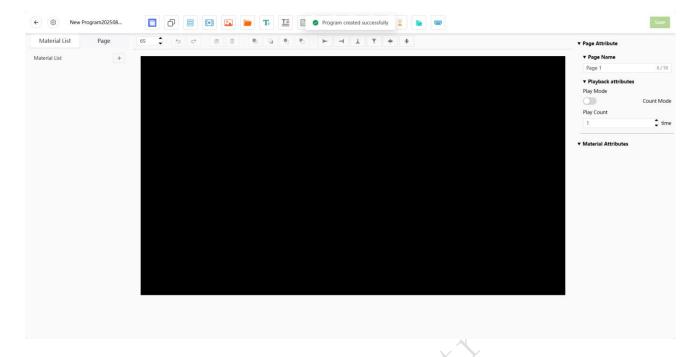
To select the player service, click "Program Management" in the left navigation bar.



(1) Create New Program

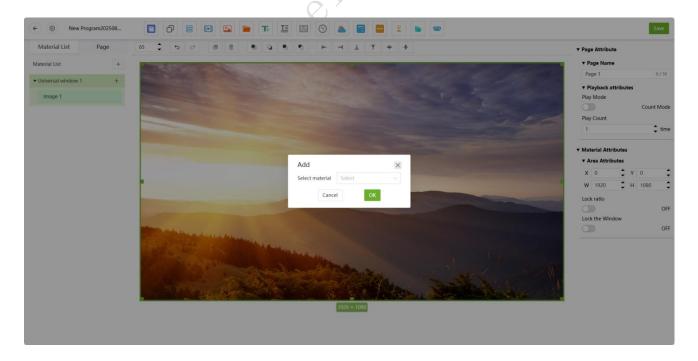
Click "+ Create New Program". The program name and resolution will be displayed by default and can be edited. After creation, click the "Confirm" button to automatically navigate to the program editing page.

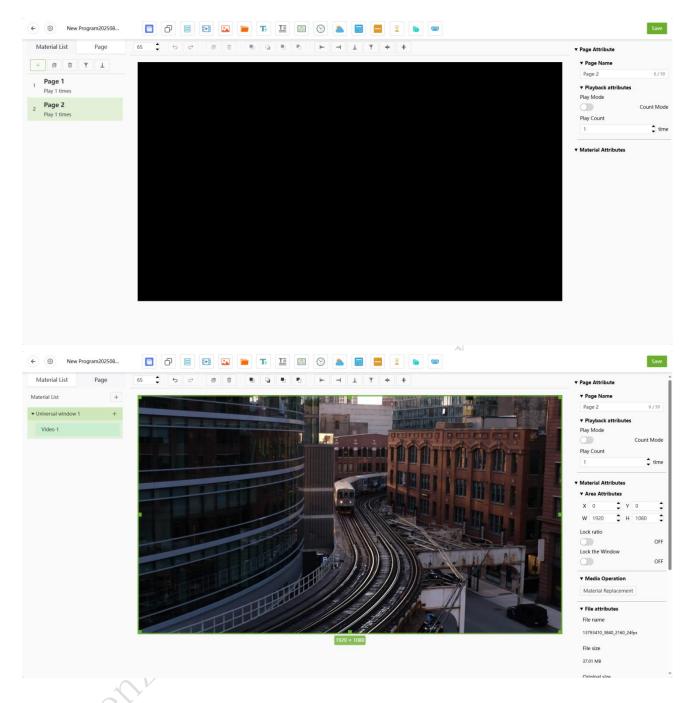




(2) Edit Program

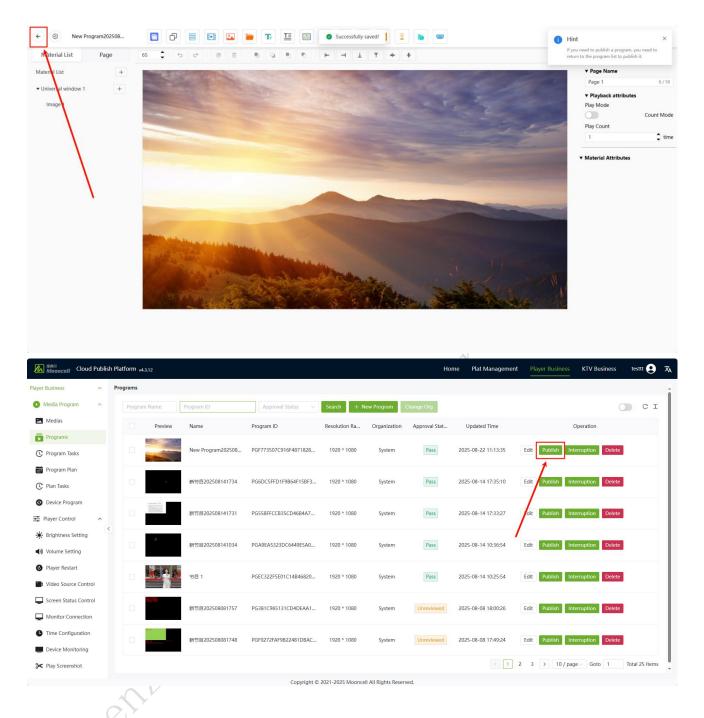
Add images to the universal window on Program Page 1 and videos to the universal window on Program Page 2. After Program Page 1 finishes playing, Program Page 2 will play. Once program editing is complete, click the "Save" button (empty windows and empty program pages cannot be saved).





(3) Release Programs

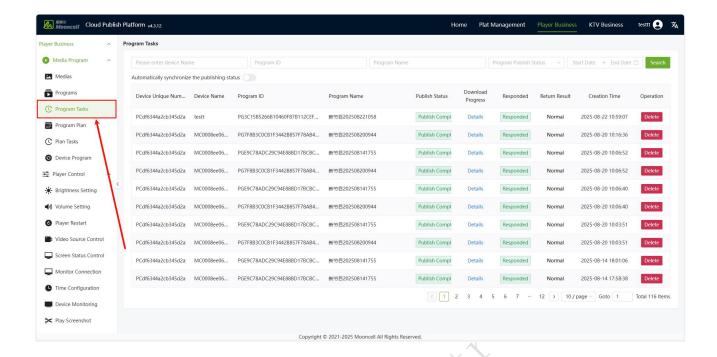
After successfully saving a program, click the "<-" button as prompted to return to the program list for publishing. Click the 'Publish' button, select one or more devices, then click "OK" to automatically navigate to the program task interface.



5.1.3 Program Task

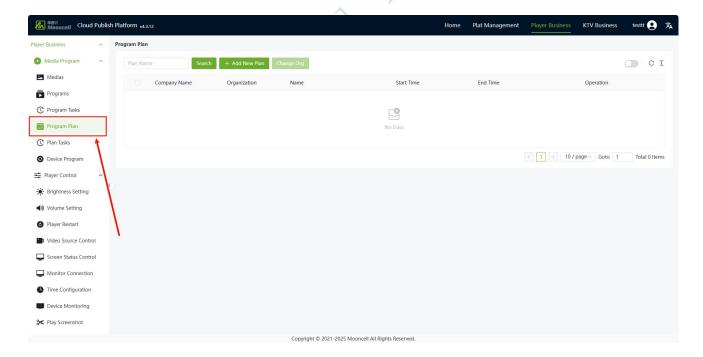
To access the player service, click "Program Tasks" in the left navigation bar.

Users can perform precise searches using device name, program ID, program name, program release status, and start/end dates. Release status is automatically synchronized. Clicking the "Delete" button removes the record from display.

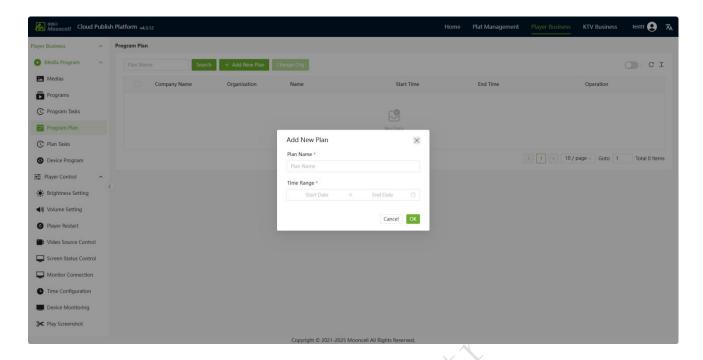


5.1.4 Program Task

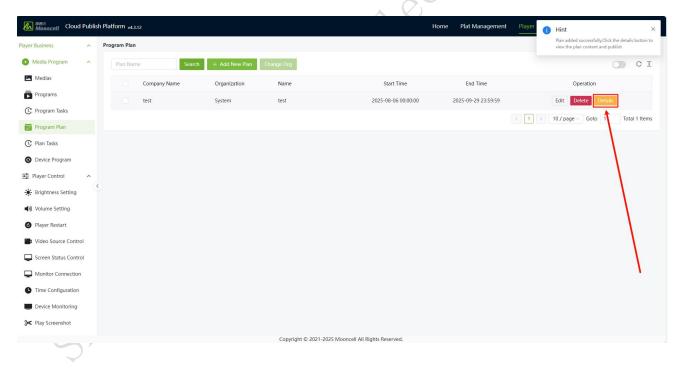
To select the player service, click "Program Schedule" in the left navigation bar.



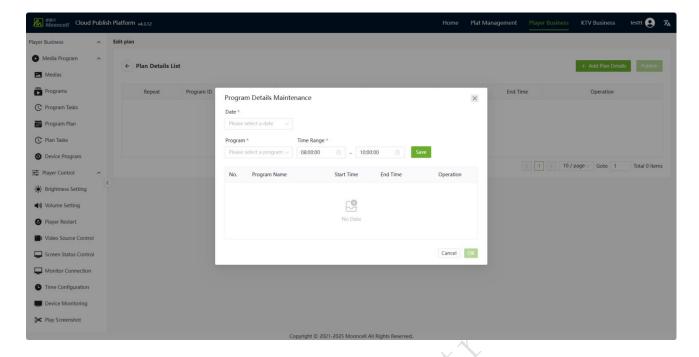
Step 1: Click "+ Add Plan," enter the plan name and date range, then click "OK."



Step 2: Click "Details" to edit the plan content.

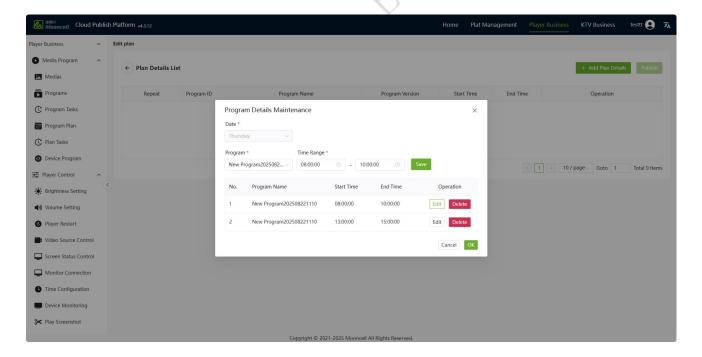


Step 3: Click "+ Add Schedule Detail." You can select a specific day of the week or the entire week. Choose the program (programs are sourced from Program Management) and time range, then click Save. You may add the same program multiple times or add different programs, but avoid scheduling conflicts. After adding, click "OK." You can click the 'Edit' button to modify this schedule entry or click "+ Add Schedule Details" to add more schedules. If the initial date selected covers an entire week, or if the schedule details list already contains seven entries, the "+ Add Schedule Details" button will be disabled. You can delete existing schedules before adding new ones, or edit existing schedules instead.



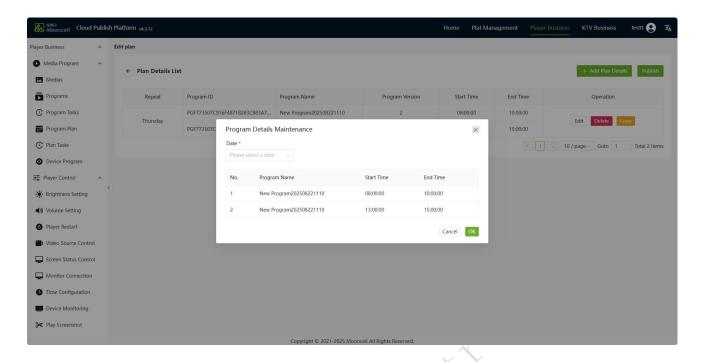
(1) Edit

After saving and confirming the plan details, you can click the "Edit" button to make changes.

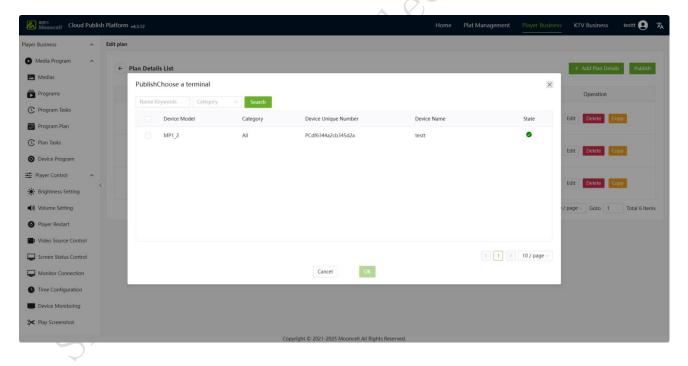


(2) Copy

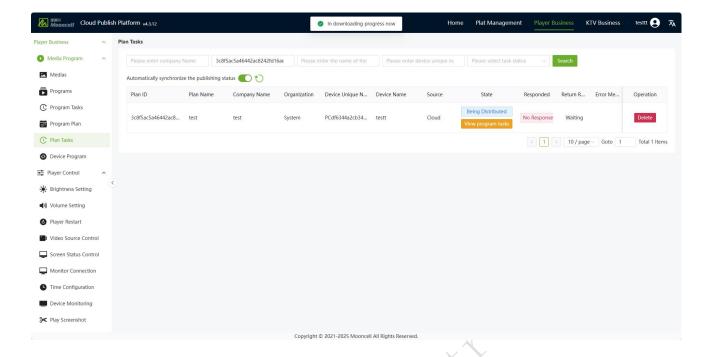
Click "Copy" and select a date to duplicate the day's schedule. The copy button is hidden when the schedule covers an entire week or the schedule details list already contains seven entries. You may delete existing schedules before copying or click the edit button to modify them.



Step 4: After completing the schedule edit, click "Publish," select the devices, and click "OK."



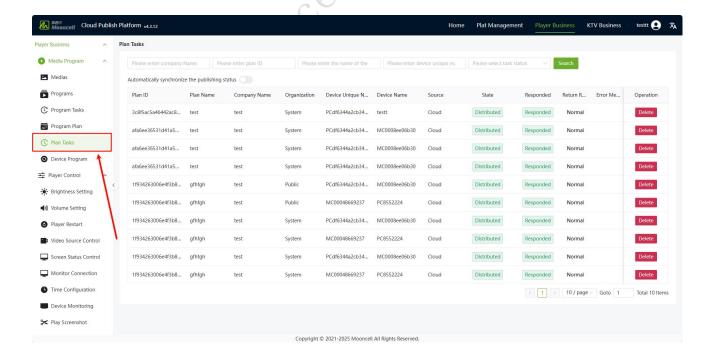
Step 5: Schedule entry into the broadcast queue, automatically redirecting to the scheduled tasks interface. When the status displays "Programming in Progress" or "Programming Failed," click "View Programming Tasks" to display the scheduled programming progress list (ensure the device's time is synchronized with the current time zone; otherwise, scheduled tasks will not execute at the designated time).



5.1.5 Planned Tasks

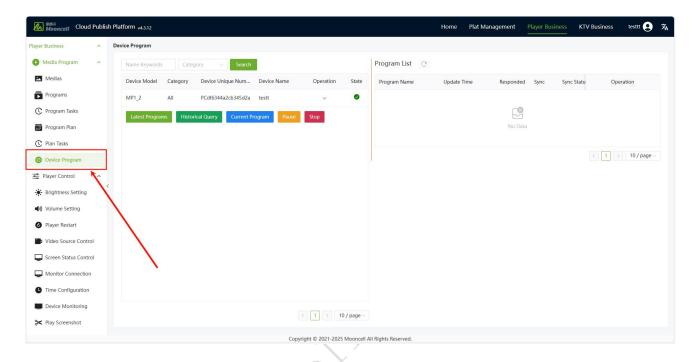
Select the Player Service, then click "Scheduled Tasks" in the left navigation bar.

Users can perform precise queries using the company name, schedule ID, schedule name, device ID, or task status.



5.1.6 Device Program

To select the player service, click "Device Programs" in the left navigation bar.

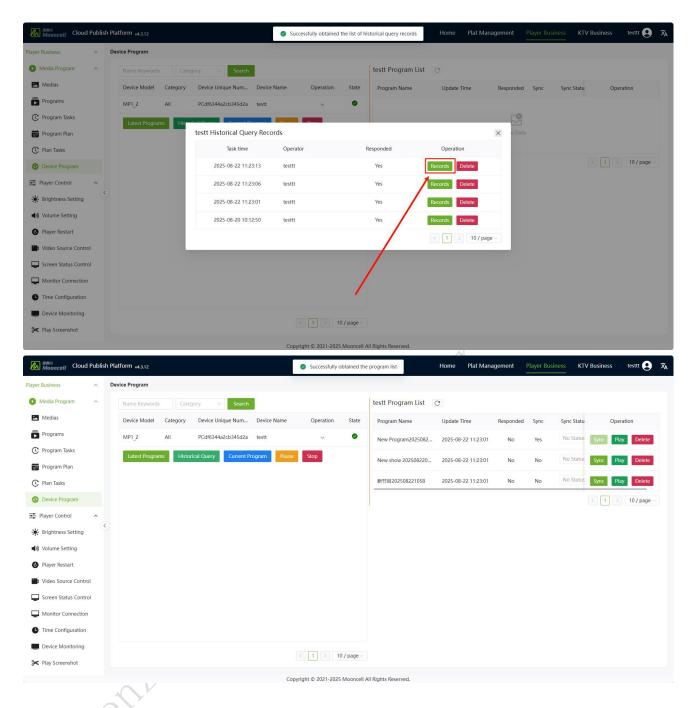


(1) Latest Programs

Click "Latest Programs" to display the program list containing existing programs on the device. You can perform synchronization, playback, or deletion operations. When the program exists in Program Management, the Sync button is disabled. If the program has been deleted from Program Management, clicking the Sync button will synchronize it to Program Management. Upon successful synchronization, the program will appear in Program Management.

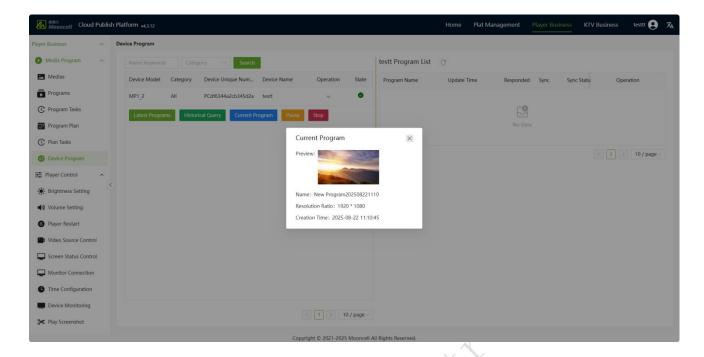
(2) History Query

Each click on "Latest Programs" saves one history query record. Click "History Query," then select a historical program to view the device's program list at that time. You can then perform synchronization, playback, or deletion operations.



(3) Currently Playing Program

Click "Currently Playing Program" to display the preview image, name, resolution, and creation time of the program currently playing on the device.



(4) Pause Playback

Click "Pause Playback" to pause the video program.

(5) Stop Playback

Click "Stop Playback" to halt playback and display the three-color ball program.

5.2 Player Controls

5.2.1 Brightness Settings

- (1) Real-time Control
- ① Manual Brightness: In manual mode, drag the "Brightness" slider left or right, or adjust the value up/down, then click "Apply" to modify the brightness of the LED screen display.
- ② Auto Brightness: In auto mode, the device uses a light sensor to detect ambient brightness and adjusts the LED screen brightness accordingly.

(2) Scheduled Control

Schedule brightness adjustments for the LED screen. Enable "Scheduled Control," click "Add Trigger Time" to select the trigger time, brightness value, and execution day of the week. Click 'OK' to add the schedule. Click "Apply" to automatically adjust the LED screen brightness at the scheduled trigger time.

5.2.2 Sound Setting

Adjust the volume of the program being played on device by dragging the "Volume" slider left or right, or by increasing or decreasing the value, then clicking "Apply."

5.2.3 Restart Player

(1) Restart Now

Clicking "Restart Now" will complete the player restart in approximately 20 seconds. During this period, the player will be offline.

(2) Scheduled Restart

Enable "Scheduled Restart," select the restart time and date, then click "Apply" to automatically restart the device at the scheduled time.

5.2.4 Video Source Control

Perform precise searches by device model. Select the screen resolution and click "Apply" to change the program playback resolution. Select Android/HDMI input and click "Apply" to toggle between synchronous and asynchronous modes.

5.2.5 Screen Status Control

(1) Screen Control

Enable real-time toggling of the LED screen display status. Select "Black Screen" or "Bright Screen" mode, then click "Apply" to immediately switch the LED screen to black or display the program feed.

(2) Power Control

Switch the power status between "Power Off" and "Power On". Click "Apply" for immediate effect.

Note: ① This function sends commands from the operating software to the media player to control the multifunction card. The media player must be connected to a multifunction card to enable this feature. ② Currently, this command only controls program content output by the publishing system; it does not affect synchronized signal content.】

5.2.6 Monitor Connection

Simple Display Connection: X-coordinate, Y-coordinate: Coordinates of the starting position for capturing images via the network port. Set the starting point X-coordinate and Y-coordinate (positive integers), with width and height representing the dimensions of the captured image.

5.2.7 Time Configuration

(1) Automatic Mode

The device automatically obtains the current standard time via an internet connection and synchronizes the system time accordingly.

[Note: The default time zone is GMT+8 China Standard Time.]

(2) Manual Mode

Manually set the system time on the device. Select "Manual" mode, configure the time and date, then click "Apply" to complete the setup.

5.2.8 Device Monitoring

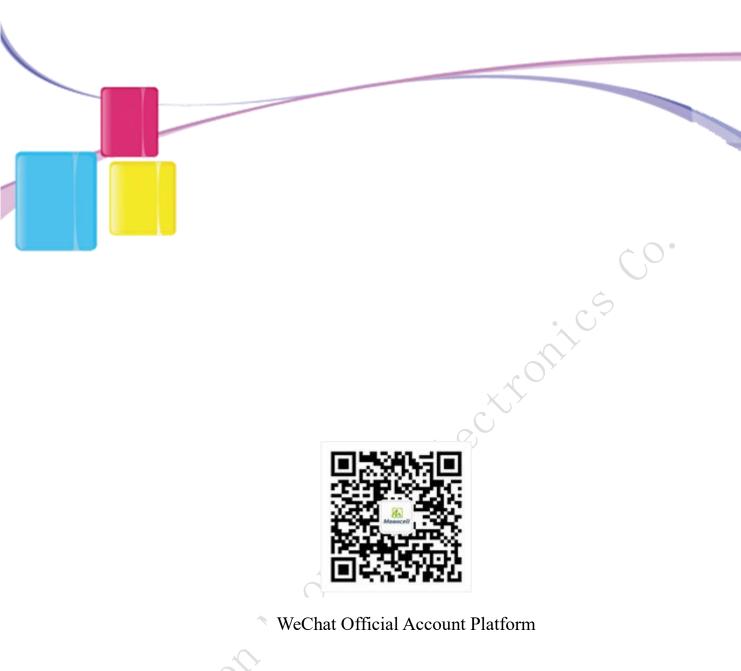
Display the available storage space and total storage capacity of the device disk. Clicking "Query Device Disk" will delete files from the disk.

5.2.9 Playback Screenshot

Monitor the live broadcast on the display screen in real time. Click "Screenshot" to capture the current broadcast on the device. You can select multiple devices to take screenshots.

5.2.10 Language

Set the display and pop-up language for the asynchronous Controller main interface. Currently available options: Simplified Chinese/English.



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