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Chapter 1 Overview

1. System module

The Little Grey Cloud information distribution system platform adopts B/S system architecture, containing device, program, common.H5template, source, statistics, Log and setting modules.





- Device: contains device list, device map, soft splicing; device list contains device ID, device name, device grouping, device up/down status, time correction, brightness adjustment, firmware upgrade and other operations; device "details" can see device operating status information, program information, release records and up/down records, etc.
- Program: It contains program and program list settings for each type of equipment, new program, program editing, program preview, program release and other operations. In the program list, you can view the program "release record", rename the program, play control and GPS fixed point play, etc.
- > Material: upload video, picture, document, music material.
- Statistics: You can count the number and length of programs played, the number of equipment statistics, etc.
- Assignments: Program posting records, program assignment posting status, and unvetted program records.
- Settings: My information, modify cell phone number, account management, set up sub-user and role management, etc.
- 2. Program release process





1) In case of data distribution failure due to network interruption, data will be automatically retransmitted when the network communication is normal.



2) Data will not be sent automatically if the device fails to send data due to lack of disk space.

3) Application for an account, binding equipment, uploading material and publishing programs need to be reviewed by the platform administrator

Chapter 2 Module Function Introduction

1. Login interface

1) Account login

Users can choose username/email/mobile phone number to log in, Figure 2-1 .

XiaoHui C	Eng
User name, Mobile number, Err	nail
Jsername cannot be empty	
Password	
Password cannot be empty	
Verification Code	7 7 6 4
Login	

Figure 2-1 Login interface

2) Register an account

Click on "Register Account" in the login window, Figure $2\mathchar`-2$.



Register Account	Back to Login
YangsAudio	
Please re-enter the password	
Please enter the company or team name	
Please enter the associated mobile number	
Please fill in the correct Email address	
Verification Code	
Verification Code Get Captcha	
Agree"Terms of Service and Privacy Policy"	
Register	
	YangsAudio Image: Star Account YangsAudio Image: Star Account Image: Star Account

Figure 2-2 Account registration interface

Note: A. Verification code registration: domestic is obtained by cell phone SMS, foreign is obtained by email.

B. Must fill in the correct company name, cell phone number, e-mail, so that can be smooth platform administrator audit.

3) Retrieve password

Click "Forgot Password" in the login window, enter the cell phone number bound to the account, the system will send a verification code to the cell phone number, as shown in Figure 2-3, enter the verification code, the next step to reset the password, Figure 2-4.



To reset	your pass	word
01The authenticat	<mark>ion</mark> — 02To reset you	password
Bind with email ID		
* Verification Code	Verification Code	2 <mark>628</mark>
* Get Verification Code	Verification Code	Get Captcha
	Next	
		Back to Login

Figure 2-3 Get verification code



Figure 2-4 Reset password



2. Equipment management

Device management is divided into device list, device map (LCD devices are not supported at this time), soft splicing

Each device that comes online is by default in the ungrouped list, Figure 2-5.

information release system	Device - Program	i v common HStemplate Sourc	e Statistics Log	Settings				Д. 2016, 2120 Lagout
Device Group Management	Desice ID, Oavier Nama D Wilth X Height Firmwar	Al v Deete Set up	Group Bed Program Lat				Ose-click screenspor	er Carrection Brighteess Selling More 🛩 Configuration let
	Device 10	Device Name	Resolution	Firmware Version	Online/offline time	Program List	group	Options
	A4-21-A1290	BoxPlayer	1824x576	7.8.34.0	0+0 2022/12/12 23:01:04	Unbound	Ungrouped	Details Rename Geographic Location Trace History
	M26-03-A6329	MagicPlayer	192bc1080	1.8.6.0	₩4 2021/11/11 15:42:33	Unbound	Ungrouped	Details Rename Goographic Location Trace History
								Total 2 Items 🔄 1

Figure 2-5 Device List

1) Equipment grouping

Click "..." in "All" to add subgroups, Figure 2-6.

Ci Inform	ation release system											X XHL_0130 Logout
Device Group N	fanagement											
All 2		Device ID,	Device Name Q A	Dolete	Set up Group	Bind Progr	am List				One-click screenshot Tir	te Correction Brightness Setting More v Configuration St
Ungrouped 2	Add Subgroup	Width	K Height Firmware Versio	n								
	Delote	D	levice ID	Device Name		Resolution		Firmware Version	Online/offline time	Program List	OFOLID	Outions
	Distribute Manager Move Up		4.21.4.5200	BasDissar		1024-676		78340	Ad 2022/12/12 22 01:04	Inhund	Descound	Datala Barana Georgeniki London Terra Mitary
	Move Down		66-21-0612205	Doonayer		10240570		7.0.34.0	PH 2022/12/12 23:01:04	Unsound	Ungrouped	Details Rename Geographic Location Trace missing
		- M	120-00-A6329	MagicPlayer		1920x1080		1.8.6.0	04 2021/11/11 16:42:33	Unbound	Ungrouped	Details Rename Geographic Location Trace History
												Total 2 litems < 1 > 25 item / Page ~
				Add Cr	har						\sim	
				Auu Si	ngi	oup					~	
				123								
				Ent	er	a q	ro	up na	ame			
								- C.	Cano	cel OK		

Figure 2-6 Adding subgroups

In the ungrouped group, select the device, and then click "Set Group" on the top to assign it to the corresponding group, Figure 2-7.



Device Group Management	Device ID, Device Name Q Width X Height Farmer	Al Version	et up Group			
Ungrouped 2	Device ID	Device Name	Resolution	Firmware Version	Online/offline time	Program Li
	A4-21-A129C	BoxPlayer	1024x576	7.8.34.0	0-0 2022/12/12 23:01:04	Unbound
	M20-00-A6329	MagicPlayer	1920×1080		0+0 2021/11/11 15:42:33	Unbound
				Set up Group	×	

Figure 2-7 Set up grouping

After the devices are grouped, you can set the group to be given to a sub user to control, Figure 2-8.

Device Group Manag	ement							
~ 🖬 All 2		Device	ID、Device Name	Q	~	Delete	Set up Group	Bind Program List
= 123 1	→ …	Width	X Height	Firmware Version				
Ungrouped 1	Add Subgroup							
	Rename		Device ID		Device Name			Resolution
	Delete							
	Distribute Manager		A4-21-A129C		BoxPlayer			1024x576
	Move Up							
	Move Down							

Figure 2-8 Grouping Assignment Manager

In addition, subgroups can be created in subgroups, Figure 2-9.

Device Group Manag	ement				
~ 🖬 All 2		Device	ID、Device Name	Q All	∽ Delete
■ 123 1	→ …	Width	X Height	Firmware Version	
Ungrouped 1	Add Subgroup				
	Rename		Device ID		Device Name
	Delete				
	Distribute Manager		A4-21-A129C		BoxPlayer
	Move Up				
	Move Down				





2) Equipment details

Click the "Details" button to enter the selected device details interface, in which you can view the basic information of the device, including networking mode, version information, playback status, remaining space and other information, Figure 2-10.

BoxPlayer				×
Device Information Release Record	Program Information	Online and offline records		
Synchronize Screen On Screen Of	ff More ~			
Basic Information				S
Device ID: A4-21-A129C	Device Nar	ne: BoxPlayer	Online Status: Offline	
Locked State: No	FPGA Vers	ion: 0.11.70.0	Volume: 100%	
Deviceremaining Space: 5.1 GB	disk space	The disk is not inserted	Play State: Unknown	
Multi-screen synchronization: Off	Screen Ro	ation: Not Selected	Play Mode: Loop List	
Button Function: Screen Testing	Firmware \	ersion: 7.8.34.0	Screenshots: View Conduct	
Resolution: 1024x576	Swicth: Di	sable		
Time				Ö
Time Zone: (UTC+08:00) Beijing,	Automatica	Ily time correction: NTP	Service of time correction: ntp.huidu.cn	
Brightness				Ø
Model, Fixed Brightness	声 府/志。40	0.07		

Figure 2-10 Device Details

- > Synchronization: synchronize the read-back of device programs, networking methods, remaining space and other status; (The default will automatically read back, when the automatic read-back can not be used to this function, manual read-back.)
- > Opening the screen: turning on the display.
- > **Off screen:** turning off the display.
- > **Device ID:** ID of the currently selected device.
- > Device name: the name of the currently selected device.
- Online status: online for the device is connected, offline for the device is disconnected.
- Player version number: the current firmware version of the device, related to the function.
- **Locked status:** whether it is in a locked state.
- **Volume: the** current device volume level.
- **Remaining space:** the space remaining in the device.
- Playback status: On screen is LCD screen on state, off screen is LCD screen off state, program is playing, no program, etc..
- Multi-screen synchronization: on or off.
- Screen rotation: screen rotation Unselected, 90°, 180° and 270°.
- **configuration:** motherboard memory and storage capacity configuration.
- Start-up time: the time at which the device starts up.
- Android version number: the Android version of the device.
- **Kernel version number:** the kernel version of the device.
- **Compiled version:** the compiled version of the device.
- Screen capture: the current display of the display can be obtained.



- **Resolution: the** current display resolution.
- Switching on and off: the time set for timed switching on and off.
- > **Time: the** current time of the device.
- **Brightness: the** brightness on the device.
- Location: if the device is equipped with a GPS module, the device can be automatically located and displayed on a map.
- > Networking information: how the device is connected to the Internet wired, Wi-Fi a4G.
- Relays: if a relay is added to the equipment, it is possible to set the screen power-up and power-up time.
- Rename: modify the name of the device.
- Switching settings: Timed switching of the LCD display.
- **Brightness setting:** setting the display brightness.
- **Emptying programmes: clearing** all playback content from the device.
- **Reboot:** reboot the device.
- > **Timed reboot:** reboot the device at regular intervals.
- Firmware upgrade: upgrading the device firmware.
- Face recognition: open face recognition function, play the specified content after recognizing the face
- > **Posting records:** You can view the task posting records of the device.
- Program information: you can view the number of programs in the device, the program name, the space occupied by the program, and "delete" and "preview" the program.
- **Up and down logs:** You can view the logs of equipment going up and down.

3) Delete programs

Click on the device "Details" in the [Device] list, then select "Program Information" and choose the corresponding program to delete, Figure 2-11.

BoxPlayer

•					
Device Information Release Record		Program Information	Online and offline records		
2.11					
Delete					
Progra Pro	gram Name	Size	Schedule	Updated Time	Options
m					
1 test		914.0 KB	Details	2022/12/12 22:39:03	Preview Delete
					Total 1 Item < 1 > 25 It

Figure 2-11 Program deletion

4) Configuration order management

The configuration list function can batch set parameters such as time correction, brightness setting, timer on/off, and volume adjustment for multiple devices. As shown in Figure 2-12.



Device ~	Program - common H5template Sourc	Statistics Log	Settings				只 X9E_0130 Logout
Device ID, Device Name Witth X Holght	Q AI ✓ Densis Set up Finance Vector	Droup Dind Program List				Doe-click screenshot	Time Canadon Brightness Selling More 👻 Configuration but
Device ID	Device Name	Resolution	Firmware Version	Online/offline time	Program List	group	Options
A4-21-A129C	BoxPlayer	1024x576	7.8.34.0	► 2022/12/12 23:01:04	Unbound	123	Details Rename Geographic Location Trace History
							Total 1 litem C 1 > 25 litem / Page ~

Configuration list

Add Configuration List	
	Add Configuration List \times
	Type LCD ~
	Name Name of Configuration

Figure 2-12 Adding a configuration list

After creating a new configuration list, select the device on the left, select the corresponding configuration list in the middle, check the required settings on the right, and finally click "Send to", Figure 2-13.



Configuration list

Add Configuration List	Device ID, Device Name Q Selected:0	Name of configuration list 111 Time Correction
	M20-00-A6329 MagicPlayer	System time zone (GMT+08.00) China Standard Time (Beijing) ~
	1	Auto Sync
	2	Brightness Setting
		The default brightnO ess is100%
		Customize
	4	Time S 00:00:00 (2) ~ 00:00:00 (2) 100%
		Time S 00:00:00 (2) ~ 00:00:00 (2) - 00:00%
		Time S 00:00:00 (2) ~ 00:00:00 (2) - 00:00
		Power on/off Setting
		Time of power on Time of power off

Figure 2-13 Configuration list operation

- 1: Support all devices of this configuration list, at will.
- 2: Adding a new configuration list.
- 3: List of configuration lists.
- 4: The setup items supported by this configuration list.

5) More settings

Select single or multiple devices in the device list for brightness setting, on/off, interactive mode setting and volume setting, reboot, etc. Figure 2-14.

stern	Device ~	Program v common.H5template Source	Statistics Log	Settings					A ×	HL_0130 Logout
De	vice ID, Device Name	Al Deine Set up Grou Firmware Version	Bind Program List				One-click screenshot	Time Correction B	rightness Setting More ~ Switch Heartbeat Bag	Configuration list
	Device ID	Device Name	Resolution	Firmware Version	Online/offline time	Program List	group	Optic	Firmware Upgrade Play Settings	
	A4-21-A129C	BoxPlayer	1024x576	7.8.34.0	0-0 2022/12/12 23:01:04	Unbound	123	Detai	GPS Settings Relay	Trace History
	M20-00-A6329	MagicPlayer	1920×1080	1.8.6.0	₩ 2021/11/11 15:42:33	Unbound	Ungrouped	Detai	Volume HDMI Input Setting	Trace History
									Emph die Program Restet Sorein On Sorein On Millissrenen syndroterstehlt Millissrenen syndroterstehlt Derkort aus auser Exposit offen darkeit Derker Landor Restenit Grögenent Derker Landor Restenit Restenit Eugenenten bei Restenit Eugenenten bei	25 fam / Page v

Figure 2-14 More settings

3. Program Management

1) Program List



Click [Program], select LCD, enter the program list; LCD program is divided into single-screen program, dual-screen program, soft splicing program; program interface can create new programs, program renaming, preview, edit, copy, publish, history, program creator, modify the time and other operations, if the program is more, you can enter keywords in the text box after the program name, click If there are more programs, you can input keywords in the text box after the program name and click the "Query" button, Figure 3-1.

ର୍) Infor	mation relea	ase system		Program >				
N	Common Pro	Dout Search progra	ble Program Spliced P	Program H5 [:] Search	Program List LED LED Android LCD				
		ID	Program Name	Туре		Resolution	Duration (s)	Creator	Modified
		144091	新建节目	LCD		1920x1080	0	XHL_0130	2022/09/15
		133342	新建节目	LCD		1920x1080	0	XHL_0130	2022/06/02
		114343	M20节目单	LCD		1920x1080	11	XHL_0130	2021/11/11

Figure 3-1 Program List

- ▶ ID: Program ID number.
- > **Program type:** the type of device selected when creating the program is LCD.
- > Program name: the name of the created program.
- > Control range: the size of the analog display where the program is created.
- > Duration: the total length of the program.
- > creator: the name of the user who created the program.
- > Modification time: the time when the programme was last edited.
- Status: If the content of the program is not violent and terrorist, pornographic and illegal or sensitive words, the green icon, AI can generally be reviewed and passed; otherwise, it is red and needs to be manually reviewed again to pass.
- > **Operation items:** You can operate the program preview, editing, publishing, renaming, GPS fixed-point broadcasting and broadcast control setting, etc.
- Preview: the content of the program can be viewed (no modification operations can be performed).
- Editing: modification of the content of the program.
- Playback control: you can set the program to play regularly, specify the time, day of the week, date, etc.
- More: program renaming, GPS spot play, tagging, publish history, copy, and other operations.

2) New programs

Click "New Program", define the program name in the New Program dialog box, set the screen width and height manually or select the corresponding device to read back the screen width and height, and click "OK", Figure 3-2.



S Info	rmation rele	ase system	Device ∽ Program	n ∽ common.H5te	emplate Source	Statistics Log	Settings		
	rogram Do	uble Program Spliced F	Program H5节目						
New Program	Search progr	am Q	Search						
	ID	Program Name	Туре	Resolution	Duration (s)	New Program			
	144091	新建节目	LCD	1920x1080	0	Program Name: New Program	am		
	133342	新建节目	LCD	1920x1080	0	Type Selection: LCD	~ _	Select Dev	vice 🔺
	114343	M20节目单	LCD	1920x1080	11	Type Selection: Single p	program		
						Device ID, Device Name	Q Search		
						Device ID	Device Name	Resolution	Status
						M20-00-A6329	MagicPlayer	1920×1080	0-0
							3		
							Total 1 Item <	1 > 251	ltem / Page 🗸
								4	Cancer

Figure 3-2 New program creation

3) Editing programs

In the edit program page, you can add multiple regions, pictures, videos, text, etc. After editing, click "Save", Figure 3-3.





A. Click on the image above, i.e. add an image area. The same operation is done for video, text and spreadsheet, etc. Figure 3-4.



B. After adding areas such as pictures, videos and text, you can click *** * ×** area up and down to move or delete, the topmost indicates at the bottom, as shown in the figure, the video is at the bottom of the pair, the picture is superimposed on the video to

display, and the text is then superimposed on the picture to display, Figure 3-5.



Figure 3-5 Area Properties

Note: You must be under the region to add content, the region is overlapped with the region to display, and the content under the region is looped.

Of course, it can be displayed in any partition, as shown in Figure 3-6 below.





Figure 3-6 Area Separation Display

Note: Multiple videos, images, texts and spreadsheets can be added in any combination.



Figure 3-7 Add Picture Window

1 : Click on ^{image} to add an image area.

2: Area shortcuts: stretch left/right, stretch up/down or maximize (full screen).

3: or the area X/Y coordinates and area width and height can be set manually.

4 : click "+", add single or multiple pictures, drag the pictures and change the order of discharge to change the playback order.

5 : Modify the display effects, effect time and dwell time of the picture.



6: The picture area can be dragged or manually pulled at will, and other types of programs also support manual stretching of the area.

Note: *.gif, *.jpg, *.jpeg, *.png, *.bmp, *.tiff, *.pbm, *.pgm, *.ppm, are supported. Images in *.xbm, *.xpm formats



Figure 3-8 Adding a video area

1 : Click on $^{\mbox{Video}}$ to add a video area.

2: Stretching the area left and right, up and down or maximizing (full screen).

3: or you can set the area X/Y coordinates and the area width and height.

4 : click "+", add multiple videos, drag the videos and change the order of emission to change the playback order.

Note: Supported video formats: 3GP, AVI, FLV, MP4, M3U8, MPG, ASF, WMV, MKV, MOV, TS

WebM, MXF.

Supported video encoding formats: H. 264/AVC, H. 263, H. 263+, H. 265, MPEG-1, MPEG-2, MPEG-4, MJPEG, VP8, VP9, Quicktime, RealVideo, Windows Media Video;

Supported audio encoding formats: AAC, AC-3, ADPCM, AMR, DSD, MP1, MP2, MP3, PCM, RealAudio, Windows Media Audio.



Figure 3-9 Adding a spread sheet area



1 : Click on Digital Watch to add a spreadsheet area.

•

2: Stretching the area left and right, up and down or maximizing (full screen).

- 3: or you can set the area X/Y coordinates and the area width and height.
- 4 : optionally check or uncheck the display seconds and modify the color.



Figure 3-10 Adding a text area

- -
- 1: Click on Text to add a text area.

2: Stretching the area left and right, up and down or maximizing (full screen).

3: or you can set the area X/Y coordinates and the area width and height.

4: Click "Edit Text" to enter the text editing interface, you can edit the text, modify the font size, color, type and text background color, etc..

5 : Modify the text display effects, effect time and dwell time, etc.

G. Click on "Mixed Broadcast" in the upper left corner to enter the mix area editor, as shown in Figure 3-11.

\$	image	Video	Olgital Visich	Text Mixed	1 Broadcast	D Hmi	S Time W	e Veather	Streaming Media	Ö Timing	X QR code	C buffon	Document	🗶 hdmi in		B	a O
± ∓ ×	Q.	100%	Q.	::	' IC		1 0								< Component P	operties	Program At>
AreaList						1	2								• Ana(p)		
Hood Breakcast1															3 × •) ү () н (з	a 270
															4 4	1	

As shown in Figure 3-11 mixed seeding area

1 : Click on " Mixed Broadcast " to add a hybrid area.

22

2: Stretching the area left and right, up and down or maximizing (full screen).

3: or you can set the area X/Y coordinates and the area width and height.

4 : Add the required mix of programs, edit the corresponding attribute effects, and mix different types of programs in a loop.





H. Click " html " in the upper left corner to enter the web page editing area. Figure 3-11:





1: Click on html to add the html web area.

ē

2: Stretching the area left and right, up and down or maximizing (full screen).

3: or you can set the area X/Y coordinates and the area width and height.

4 : you can fill in the need to display the path of the web page, dwell time, refresh time.



Shenzhen Grayscale All rights



As shown in Figure 3-14 Streaming Media Area



- 2: Stretching the area left and right, up and down or maximizing (full screen).
- 3: or you can set the area X/Y coordinates and the area width and height.
- 4 : just enter the streaming path directly.



L. Click on "^{Timing} " in the upper left corner to enter the timing area to edit, as shown in Figure 3-15.







N. Click on " ^{button} " in the upper left corner to enter the button area for editing, as shown in Figure 3-17.



As in Figure 3-17 button area



1 : Click on " button ", add button area.

2: Stretching the area left and right, up and down or maximizing (full screen).

3: or you can set the area X/Y coordinates and the area width and height.

- 4 : Set the size, color, transparency, etc. of the button.
- 5 : Add interactive events and set the function of the button.



O . Click on "Document" " in the upper left corner to enter the document area to edit, as shown in Figure 3-18.





4) Dual screen programs

1. Create dual-screen programs

наті



Common Program Double Program Spliced New Program Search program Q	Program H5节目 Search						
ID Program Name	Туре	Resolution	Duration (s)	Creator	Modified Time	Bound program mber	nu
					No data		
			I	New Program Program Name: New Type Selection: LC Type Selection: 9 Resolution: V	Program :D ~ Single program Duble screen s Width 1920 Height	hows 1080 主屏	LDwice -
				V	Vidth 1920 Height	1080 副屏	Cancel OK

Click New Program, select Dual Screen Program, set the resolution of primary and secondary screen, and click Confirm to confirm.

2. Top left corner to switch between the main and secondary screens to edit the content, edit the point to save and close.





5) Splicing screen program

1. Create splicing screen

Ś) Info	ormation release system	Device 🔨						
S	plicing Scre	en Bind Device Multi Scree	Device Lst Device Vap Soft splicing equipme	nt					
	ID	Name	N	Matrix			Cell resolution		
Spl	icing	Screen							×
		Name:	New splicing scree	en	Set the single so	width creen	and he	eight	ofa
		Name: The Screen Width:	New splicing scree	en .	Set the single so	width creen	and he	eight	of a
Г	Stitch	Name: The Screen Width: ing Column Number:	New splicing scree	en . Stite	Set the single so The Screen Height:	width creen 1080	and he	eight	of a

2. Create splicing screen - binding devices (when creating a splicing screen must be bound to all devices, after the successful creation, in the splicing screen list display.)

Bind Device	×
Ciel Bird Devices	Bind devices, each device can only be bound
Click Bind Device:	Once MagicPlayer A4425 MagicPlayer A6329 MagicPlayer MagicPlayer
	MagicPlayer M20-00-A6329 test M20-00-A8291 Cancel Previous OK
	Bind Device :



2.2 Binding device/rebinding device

		2.Click on the binding device			
Splicing Scree	n Bind Device	Multi Screen Syn	Bind Device	×	
			Old Bird Daday		
	Name	Matrix	Click bind Device:		
			Display the last five digits of the device name		
991	New splicing screen				
000			M20-00-A4425 MagicPlayer		
505	Iven spicing screen	21	MagicPlayer x425 A6329		
			MadePlayer		
	1.Select the s		Blue for bound devices		
			MagicPlayer ✓ M20-00-A6329		
			Test		
			Gray tor unbound devices AM20-00-A8291		
				┛	

3 one-key multi-screen synchronization: when the synchronization status is normal (a task monitoring window will pop up after one-key setting)

				T MEG TELSION	hronization	Check time	Status	Automatic calibration mode:	
Name	Matrix	1-1	MagicPlayer	1.9.16.0	Has been open	ntp.huidu.cn	((+	Automatic network	Crea
New splicing scree		1-2	MagicPlayer	1.8.6.0	Has been open		((;	Version 1.8.0.0 above support splicing, automatic networking function!	XHL
New splicing scree								2. Select automatic network	XHL_0
		4.A	fter one key s	setting,	is on			3. Click here	
		mu	nu-screen syn	ICHIYOHIZƏLIOH	IS ON			Cancel A key	set

4. New soft splicing program

Common Pl	rogram	Double Program Spliced Program	15节目	New SplicingProgra	am		×
New Program	Search p	rogram Q Search		Program Name:	Set the wid	Ith and height of a single screen	
	ID	Program Name	Single Resolution	Single Width:	1920	Single Height:	
	14754 1	我的节目	1920×1080			Dura	
	14253 9	我的节目	1920x1080	Cols: Set the r	2 number of rows an	d columns for stitching Cancel	ок

5. Splicing screen program interface display

Common P	Program	Double Program	Spikes Program H515E			The program program fo	m must be selected to use, r the disabled state	no selected
	ID	Program Name	Single Resolution	scheme	Duration (s)	Complier	Modified Time	Options
	14754 1	规的节日	152bx1080	2x1	0	XHL_0130	2022/10/25 17:05:55	Preview Edit
	14253 9	制的订日	152bx1080	2x1	0	XHL_0130	2022/08/31 10:42:40	Preview Edit
Mouse o	over to	o display the	e full program name through the weak alert	box resol	i-select, different splicing sch lution before and after the sp	neme, click publish, pop-up ilicing scheme is not consis	o error message: you choos stent	1 > 10 Bem / Page ~ se the program
She	nzhe	en Gray	scale All rights					

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6. Splicing screen program editing and drag and drop stretching rules (does not support button plug-in)





6) Release programs

A. After editing the program, click the "
 "
 " button in the upper right corner to save it, then close the program editor, go back to the program list, find the program you want to publish (program name or program ID), and click the "Publish" button, Figure 3-11.

Common P	rogram	Double Program Spliced Program	нотов					
New Program	Search	program Q, Bearch					/	Release Delate
	ID	Program Name	Single Resolution	scheme	Duration (s)	Compiler	Modified Time	Options
	16288 7	My Program	1920×1080	2/1	6	XHL_0130	2023/03/13 22:22:27	Proview Edit
	14754 1	我的节目	1920×1030	2x1	0	XHL_0130	2022/10/25 17:05:55	Preview Edit
	14253 9	我的节日	1520×1080	2x1	0	XHL_0130	2022/08/31 10:42:40	Preview Edit
							Total 3 items < 1	> 10 tem / Page v

Figure 3-11 Program List

B. The Publish dialog box allows you to select the device or group of devices to be published. Figure 3-12.

Send Program					\times
	Additional Update ?)			
Device ID, Device Name Q Selected:1	ID	Program Na	ime	Playing time	
 ✓ ■ All 1 ✓ □ ■ 123 0 	114343	M20节目的	μ́.	11Second	
👻 🔽 🛅 Ungrouped 1					
🔽 📮 M20-00-A6329 MagicPlayer					
	Drag programs to sort			Total Duration: 11Se	cond
	-			Cancel Sene	d
		Send Program		~	
Common Program Double Program Spliced Program H5节目		Compare and the second se	Complete Update (?)	
New Program Q. Search		New splicing screen 🌒	ID	节目名称 播放时长	
D Program Name	Single Resolution	N	163103	My Pro 0₺	
16310 My Program 3	1920×1080	Select the splicing scree	en		
7 My Program	1920×1080				
14253 約約17日 14253 約約17日					
9			拖动节目可排序	总时长:01	Ð
				Cancel Send	

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Figure 3-12 Posting Programs

Note: 1. If you turn on full update, clear all the programs on the device and then add new programs; the default is not to turn on this option, the default is to add updates.

2. the default is to replace a program with the same ID number if it is sent from a device with the same ID number.

C. After the posting is confirmed, check the sending status in the task, Figure 3-13. (You can also go to the device list or click Details in the release log to view the task release log)

lnformation re	lease system					Statistics Log S						
Al Records Pending Records	Type /	i v State	Al v									
	10	Туре	Creator	Created Time	Task State	Event Content				Statistics	Opt	ione
	536596	Update Program	304_0130	2622/12/12 22:38:46	Completed	test			Empty the Program	1/1/0	# Details	() Revolution
	\$33130	Update Program	3046_0130	2022/12/06 20:24:42	Completed	R4			Empty the Program	1/1/0	# Details	Q Reals
	461707	Delate Program	XHL_0130	2022/06/04 15:09:19	Completed	New program 1				1/0/1	@ Details	() Facility
	452876	Control Comma	XH8_0130	2022/07/23 09:51:52	Completed	On1 refer				1/0/1	@ Details	S. Revolution
	396936	Update Program	X04L_0130	2022/05/09 16:33:01	Completed	eane			Empty the Program	1/0/3	# Details	1) Finale
	306109	Update Program	XH6_0130	2022/04/25 10:57:19	Revoke the operation	METER	1012TE	angents.	Eventy the Program	1/0/1	# Details	() Parasia (
	386100	Update Program	XHL_0130	2022/04/25 10:57:03	Revoke the operation	新建市井单	新建田井	後雄日口	Emply the Program	1/0/1	# Details	D Room
	386095	Update Program	XHL_0130	2022/04/25 10 53.25	Revoke the operation	METER	*IIINE	(MIRTOR)	Emply the Program	1000	# Details	G Revolution
	386091	Update Program	3046_0130	2022/04/25 10:52:59	Revoke the operation	*316*	with H	#27B	Empty the Program	1/0/1	# Details	() Tevera
	386050	Update Program	3046_0130	2022/04/25 10 52 46	Revoke the operation	4/18/17/18 W	9800	8-18 T D	Kingly the Program	170/1	# Details	D Reises
	386087	Update Program	XHL_0130	2022/04/25 10 52 23	Revoke the operation	+1272.11	BURG .	HERA	Empty the Program	1/0/1	# Details	O Yanana
	339837	Control Comma	3140130	2022/01/20 14:12:47	Completed	Official				1/9/3	P Detaile	S Review
	339613	Control Comma	XHL_0130	2022/01/20 13 15:06	Completed	Screeneticte				1/0/1	# Details	() Revolut
	337947	Control Comma	XHL_0130	2022/01/17 19:19:50	In Progress	Synchronization information				2/0/1	e Debalo	© Revolue
	1000	1202292			a					STILL O	_	

Fgure 3-13 Task Release Detail

7) Program

In the program management interface, click "Program List - New Program List", as shown in Figure 3-15, set the program list name, screen width and height or select the device to read back the screen width and height, and then click "OK".





Figure 3-15 New program list

A. Click "Bound Devices" \rightarrow "Add Device" in the upper right corner, then select the device and click "OK", Figure 3-16.





B. New program is the same as the program editing operation described above, you can create multiple programs, and then publish or sync these programs to the device, add programs from the general program list to the program list. As shown in Figure 3-17.

						\ / 2				
New Program	Add Program				Search				Bound Device	
	ID Pi	logram Name	Туре	Resolutio	n D	Duration (s)	Creator	Serial Number	Modified Time	Bound
					Ne	w Program				×
						Program Name: Resolution: Type Selection:	New Program Width 1920 Please choose	Height 1080		
									Cancel	ок
		$\langle \rangle$								
Add Program				Search					Bound Device	
ID Prog	gram Name	Туре	Ac	ld Progra	am					× ^{n n}
N	0	\searrow			ID	Pro	gram Name	Туре	Resolution	
163063 New	Program	LCD	1920×10		162743	Ne	w Program	LCD	1920×1080	
					144091	***	新建节目	LCD	1920×1080	
					133342		新建节目	LCD	1920x1080	
					114343	Μ	120节目单	LCD	1920x1080	
							Т	otal 4 Items < 1	> 25 Item / Page ~ Cancel	ок

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Figure 3-17 List of Programs

Note: Difference between published and synchronized program listings.

Release: programs on the device (with program IDs different from the currently released program ID) will remain, and new programs (new IDs) will be added to the device.

Synchronization of the programme list: all programmes on the device are emptied and only those in the existing programme list are retained.

8) Playback control

Click on the right side of the program and select "Playback Control", as shown in Figure 3-18. You can set the length, time period, day and date of the program, as shown in Figure 3-19.

Common Pr	rogram Do	uble Program Spliced	Program H5158								
New Program	Search prog	yan Q	Search								Add to Playlist Dend Delete
	ID	Program Name	Туре	Resolution	Duration (s)	Creator	Modified Time	Bound program nu mber	Play Control	Status	Options
	163063	New Program	LCD	1920x1000	5	X04L_0130	2023/03/14 15:19:06				Preview Edit Play Control More
	162743	New Program	LCD	1928x1080	0	XHL_0130	2023/03/13 15:51:27	0		٥	Preview Edit Play Control More
	144091	(1)(1)(1)	LCD	1928x1080	0	XHL_0130	2022/09/15 16:20:02	0		٥	Preview Edit Play Control More
	133342	新建竹田	LCD	1928x1080	0	X01L_0130	2022/06/02 18:27:13	0		٥	Preview Edit Play Control More
	114343	M20节日单	LCD	1920x1080	11	XHL_0130	2021/11/11 15:48:32	0		٥	Preview Edit Play Control More
										1	hi 5 Here Z 1 3 Here / Dave v



Play Control

Fixed duration:	5 Second			
Playing time perio d:	08:00:00 ④ - 18:00:00	Playing Date:	2023/03/14 📋 2023/	03/14 📋
Playing week:	Sunday	Monday	Tuesday	Wednesday
	Thursday	Friday	Saturday	

Cancel	ОК
--------	----



Note: 1. Soft splicing program does not support playback control; 2. After modifying the playback control setting items, you need to re-release the next program.

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4. Material management

By default, you can preview all the resources in the clip list, and you can also filter the preview by picture, video, document, and music, Figure 4-1. Click on a picture, video, or document to enlarge the preview.

Information release	se system De	wa: v Program v	common Hölemplate	Source Sta	istics Log Setting	4					R xee	0130 Lognif
New Group	Al Materials Video	image The docu	ment Audio									
	Express Materian Express 97 Ext Statisty M Materian Materian		C Seatch	Renne Fran Gran	them Croup to Select at	Date Resear				A.S.		
	200246435.	NOTER Street	01012263_1060	CN2263_1963	10401988		peorte-dite-of pr	i posti-tie si pi	provinsite stat.	C provide Alle saf pil	_ productive of ps	
											Total 12 Items 🧹 1 🦻	25 liem / Page ~
					Geo	Courses			$\langle \rangle$			



To save time, the resources (pictures, videos, documents) to be played can be uploaded to the server in advance, and the resources on the server can be called directly during the editing process of the program, which reduces the waiting time and effectively improves the efficiency.

Click the "Upload Materials" "button in the upper left corner of the clip list, and then click the "Select" button in the pop-up dialog box to select the clip you want to



Figure 4-2 Uploading Resources

Click "Open" to start uploading and the upload progress bar will be displayed, and the message will be shown in Figure 4-4 after successful upload.

	▼ ひ	友"整代"
▼ 新建文件夹		E - I Oelete Rename
2022小現須 ^ LED服务器部語 PDF editor VZ加速器 VZ加速器 VSU用条子形器 Xxrr文件夫 整纸	遊永	- / / / / / / / / / / / / / / / / / / /
文件名[1]:	自定义文 打开	2件 × 図 取消
and the second sec		อยาอลน เพลเอกิยโร
		© Select The maximum image size supports 20M, the maximum video size supports 4G, the ximum audio size supports 20M, the maximum text size supports 20M, and the uple will not be performed if the size is exceeded. It is strictly forbidden to use this platform to upload and disseminate violent, terroris omographic and other illegal information. Once discovered, it will be handled strictl accordance with relevant laws and regulations.
		3
	Figure 4-3 Selecting R	esources

Upload Materials

Select

The maximum image size supports 20M, the maximum video size supports 4G, the ma ximum audio size supports 20M, the maximum text size supports 20M, and the upload will not be performed if the size is exceeded.



It is strictly forbidden to use this platform to upload and disseminate violent, terrorist, p ornographic and other illegal information. Once discovered, it will be handled strictly in accordance with relevant laws and regulations.

Off

Figure 4-4 Upload results

After uploading the material, it will show "not audited" prompt, and the background will go through AI manual audit first, if the audit does not pass the prompt "suspected", "prohibited", etc., you need to contact the manual If the audit does not pass the prompt "suspected", "prohibited", etc., you need to contact the human audit.

5. Statistical management

You can count the number of times the device and program are played and the length of time they are played, as shown in Figure 5-1.

Information rele	ase system	Device 👻 Program 🗸	common H5template Source	Statistics Log Settings			Q 204
Program Statistics Device Statistics Passenger flow statistics	Guery by Date	D Program Name	Q Search Expot		Total number of performances	Total Duration	Options
✔ Prepaid phone records → Environmental data statistics							

Figure 5-1

6. Task list

You can view all records and unapproved records in the task list.

1) Posting task list

You can view the program creator, creation time and task status in the list of published tasks, Figure 5-2.

Information relea	ise system	Device s	v Program v	common H5tempt	ate Source	Statistics I	og Settings				, Д , XHL_9130 Logost
All Records Pending Records	Type J	u v State	Al v								
	D	Туре	Creator	Created Time	Task State	Event Content				Statistics	Options
	536596	Update Program	XHL_0130	2022/12/12 22:38:46	Completed	test			Empty the Program	1/1/0	# Details ③ Revolue
	533130	Update Program	XHL_0130	2022/12/06 20:24:42	Completed	Pier.			Empty the Program	1/1/0	# Details ③ Flovoka
	461707	Delete Program	XHL_0130	2022/08/04 15:09:19	Completed	New program 1				1/0/1	# Details 💿 Revolue
	452876	Control Comma	XHL_0130	2022/07/23 09:51:52	Completed	On 1 relay				1/0/1	# Details ③ Revolue
	395986	Update Program	XHL_0130	2022/05/09 16:33:01	Completed	8F887513			Empty the Program	1/0/1	# Details © Revolu-
	386109	Update Program	XHL_0130	2022/04/25 10:57:19	Revoke the operati	#208#	林建竹田	#208	Empty the Program	1/0/1	# Details ③ Revolue
	386108	Update Program	XHL_0130	2022/04/25 10:57:03	Revoke the operati	新建节目录	81875 E	教理节日	Empty the Program	1/0/1	# Details ③ Revolut
	386095	Update Program	XHL_0130	2022/04/25 10:53:25	Revoke the operati	新建节目草	新羅田田	新建市井	Empty the Program	1/0/1	# Details ③ Revolue
	386091	Update Program	XHL_0130	2022/04/25 10.52.59	Revoke the operati	新聞15日早	#IIITE	BUER	Empty the Program	1/0/1	# Details O Revolue
	386090	Update Program	XHL 0130	2022/04/25 10:52:46	Revoke the operati	新建芬科蒂	制度节目	新建石田	Empty the Program	1/0/1	# Details ③ Revolue
			_/		"		Figuro 5-2				

Figure 5-2

Where, the statistics status: A/B/C, A indicates the total number of tasks (devices); B indicates the number that have been sent successfully; C indicates the number that have failed to be published.

2) List of records to be approved

When the sub-user does not have the pass permission of the program management module, the published programs need to be reviewed by the registered user or the user who has the pass permission of the device, and then submitted to the platform administrator for review afterwards.

registered master users by default have the right to review, and tasks posted will be submitted directly to the platform administrator for review.

The registered master user can choose to give the sub user audit rights or not, as shown in Figure 5-3.

Figure 5-3 Permission setting

7. Settings management

Settings management includes my information, account management, role management and space capacity management, Figure 6-1.

Information relea	ise system Device ↓ Program ↓ common H5template Source	Statuta (a) Settings	옷 XHL_0130 Logaut								
2 My Information	Basic Information										
Account Management Role Management Space Management	(2) XHL_0130										
	Account ID: 5841	User Name: XHK_0110	Company Name: 灰魔科技								
	Mobile Number: 17316282898 Modify	Email: Add									
	Role: Enterprise administrator Details	Last Login: 2023/03/14 15 01.27	Last Login IP: 175.0.58.207								
		Data Pauset									



1) My Information

In My Information, you can view my account ID, user name, business name, cell phone number, email and authentication settings, etc. Figure 6-2.

S My Information	Basic Information		
e Account Management			
4 Role Management	2 XHL_0130		
Space Management			
	Account ID: 6841	User Name: XHL_0130	Company Name: 勿選移政
	Mobile Number: 17316282898 Modify	Email: Add	
	Role: Enterprise administrator Details	Last Login: 2923/00/14 15:01:27	Last Login IP: 175.0.58 207
		Change Password	

Figure 6-2 My Information

Among them, two-factor authentication, i.e. login password + mobile phone/email verification code to login.

2) Account Management

Click "New Account" in the upper left corner, that is, create a new sub user, as in Figure 6-3, and then click Edit on the right side of the user, select Modify Role, Figure 6-4, select the default system role - Auditor/Program Editor/Equipment Administrator or a role created by yourself.

My Information Account Management	New Account			
Role Management	a 🗆	User Name	Role	Mobile Number
Space Management	7199	L17316282898	Device Administrator	
			_	_
			New Account	×
			∗ User Name	
			* Password	4-20 characters, beginning with a letter, cannot contain special characters
				Password length must be 8~32 digits, Must contain upp ercase and lowercase letters and numbers
			Confirm Password	×
			Choose a Role	□ 11 □ 审核员 □ Program Editor
				Device Administrator
				Cancel OK

Figure 6-3 New sub user

							/			
New Account										
1.3 10	User Name	R	ole		Mobi	le Number	Log	in Time	Login IP	Options
10214	222007	Program Editor								
7199	L17316282898	D	evice Admin	istrator			202	2/10/26 80 18 42	113.246 105 150	Edit Delete
		Modify th	e Role							Total 2 items
			ID	Role Nam e	Mcdified Time	Created Time	Creator			
		9	179 90	11		2022/09/21 13:21:05	XHL_0130			
		0	1173 1	南坡员	2022/05/05 14 12:31	2021/11/09 10:25:16	XHL_0130			
		(D)	1173 0	Program E ditor		2021/11/09 10:25 16	30HL_0130			
			1172 9	Device Ad ministrator		2021/11/09 10:25:16	XHL_0130			
		L					Carcel			

Figure 6-4 Modify role

3) Role Management

Users can use the system default role - auditor / program editor / device administrator, and then modify the role permissions to check which one, change the role will have which permission, Figure 6-5, or create a new role, and then modify the permissions.







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4) Space capacity management

The default registration account is 5G, as in Figure 6-6; if the capacity is insufficient, you can apply for expansion, as in Figure 6-7.

S My Information Sp	in clearly (
Account Management	
 Role Management 	Total cases/0.5,0 GB
Space Management	Uver122 7 MID 5 08 Final Temperature Company
	Note: 1 Mick + 1124 marks
	X
	Figure 6-6 Space capacity
	rigure o o space capacity
Request for storag	e space expansion ×
 Contact 	XHL_0130
	I want to expand
 Contact details 	17316282898
 Company Name 	灰度科技
Environment and and	
Equipment salesm an	Presse enter and device samespersion
 Industry (multiple choice) 	Security (public security, emergency response, surveillance, command center, criminal in
choice)	vestigation, technical investigation, hospital, etc.)
	Transportation (rail transit, public transport, highways, airport stations, etc.)
	Energy (hydropower, nuclear power, petroleum and coal, etc.)
	Government (government units at all levels, central enterprises, state-owned enterprises,
	institutions, etc.)
	Advertising (media, cultural companies, advertising operations, advertising production, ad
	vertising decoration, etc.)
	Performing Arts (Radio and Television, Stage Art, Performing Arts, Exhibitions, E-sports,
	Cinemas, etc.)
	Commercial (retailers, hotels, banks, shopping malls, etc.)
	Construction (real estate, architectural decoration, engineering design, etc.)
	Large-scale venues (museums, exhibition halls, cultural tourism parks, amusement park
	s, gymnasiums, exhibition halls, art galleries, etc.)
	Other
 Expansion space (single selection) 	010GB 020GB 050GB 0100GB 0 Customize
,	
	Cancel OK

Figure 6-7 Application for capacity expansion

Attachment: Binding cloud platform operation instructions.

1. Open Magic Player software



2. Go to Magic Player settings

Method 1: With the remote control, the function of the remote control keys is

schematically shown as follows: Press the Home key of the 12-key remote control or the

key of the 33-key remote control to enter the system settings, and the interface is as follows.



Method 2: Use the mouse to enter the system settings by left-clicking 4 times in a row on the home page of MagicPlayer software or any corner of the playback interface or the touch screen can be directly clicked 4 times on the corner position.



3. Enter the "Network Settings" network settings to connect to the network, to ensure that the network is normal, click "System Mode", as shown below.



3.1 Change "Standalone" to "Network" mode, then enter the server address (<u>http://www.led-cloud.com</u>) and username, and click Save.

Syster	n mode
System mode	Networking
Networking set	
Server address	and the second
Username	huidu01
Connection Status	Connected
Save	Cancel
	X
RAN .	