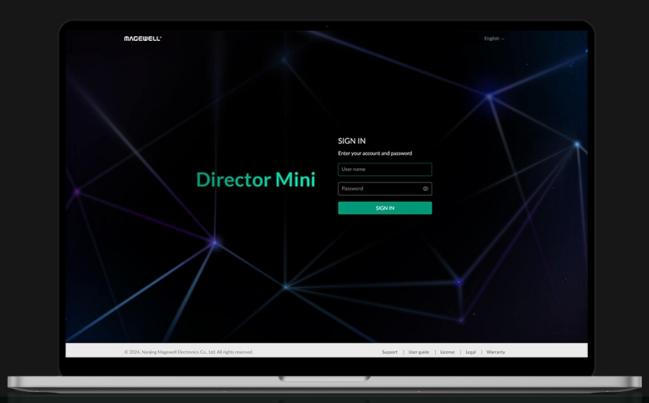


Director Web UI

User Manual, Reference and FAQs



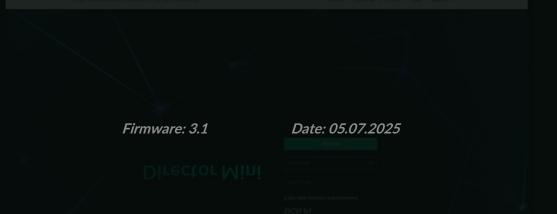


TABLE OF CONTENTS

03	Overview		95 View Album and Control Re
05	What's New		96 Global BGM
10	Log Into the Web UI		98 Manage Media Files
16	View Device Information		104 System Settings
18	View Input		Set Device Name
	Produce Your Show		Set System Time
23	Produce Your Show		Configure Network
	Preview Show	23	Join Magewell Control Hub
	Create and Manage Shows	24	Enable HTTPS
	Control Scene	27	Update Firmware
	Control GFX	51	Manage Users
	Control Audio	61	Manage Logs
	Control BGM	67	Reboot Device
	Set Shortcuts	69	
	Set FTB Image	72	127 Shortcuts for Director
	Show Live Comment	73	144 FAQ
	Replay	74	147 Support
79	Set Encode		148 Glossary and Abbreviations

81 Control Streaming

Recording



Overview

Director device provides a Web UI for user to check device status, configure device functions, control and manage content of show, and more. After a computer connects to the same network as the Director device, the computer can access the Web UI of your Director device.

Web UI Layout

MV@EMELT.	Dashboard	Input	Produce	Encode	Stream	Album	BGM	Media	System	👤 Admin 🗸
DIRECTOR MINI	MINI Device name Serial number Power status			A	0MA5112204 5112204160 ower cable co	50	0			
VERSION		Firm 1.20	ware		Software 3.0.856	ł		Hardwa A	are	
STATUS		CPU 27.0 Up t 16 n Kern 603	16% ime n		Memory 57% Free space 49.7 GB	се		Temper 49.35°C Fan spe 3550 rp	C	
NETWORK		(r)) ()	Cellular Ethernet 10.10.7.181			uetooth otspot		() () () () () () () () () () () () () (JSB-Fusion_8456_5 92.168.67.227	G

You can use the tabs at the upper part of the Web UI to navigate:

- **Dashboard**: Displays basic device information, device status, and • network status.
 - This is the page displayed when you log into the Web UI.
- **Input**: Displays input information, and set no signal image. •
- **Produce**: Preview program image, manage shows, control scenes, • GFX and audio, and set shortcuts, etc.
- **Encode**: Set parameters for Encode 1 and Encode 2. •
- **Stream**: Configure stream servers and start or stop streaming at any • time.
- Album: Start or stop recording, take screenshots of the program output, and manage files in the Album.
- **BGM**: Add and control global background music.

- Media: Upload and manage pictures, videos, and music. •
- **System**: Configure and maintain the system, including general settings, • network settings, registration with Magewell Control Hub, security, firmware update, user administration, logs.

The system configuration and maintenance functions are available only to the Admin user, not to common users.

In the user information area at the upper right corner, you can also change password, log out, and reboot the device.

The device reboot function is available only to the Admin user, not to common users.

What's New

Firmware version: 3.1

Display Status Bar

You can view the device status bar at the preview area in the Produce page.

Control Video Playback

You can use the video progress bar on the preview image to play and pause the video and adjust the process, and jump to the previous and next video for a video slide show.

Control Slide Show

If a scene has a picture or video slide show, you can click the play/pause button on the scene thumbnail to start or stop the slide show, and use the left/right arrows to turn pages or switch videos.

Control Private GFX

If a scene contains a private scoreboard, stopwatch or timer, you can control the GFX via the scene menu.

Advanced Stinger Settings

When using a stinger for scene transition effect, you can set the Chromakey and Audio options.

Advanced Phone Camera Control

You can control Phone Camera with more advanced options.

Change Scores Quickly

You can change scores to any number with a new edit button on the scoreboard control panel.

- Updated Replay
 - You can select different replay mode when initiating a dual-camera quick replay or single event replay, to customize the playback order and layout.
 - Event Replay supports adding tags, rating, filtering events per different condition, starting loop replay with multiple events, etc.
- Stream via SRT Listener and RTSP

You can add SRT Listener and RTSP servers for live streaming.

User manual updating with Director One released in March 2025

• Add Director One (firmware version: 3.0) to Director family.

Director Mini Firmware History

Firmware version: 3.0

View Hotspot Information

You can view the hotspot name on the Dashboard page.

Export Media Files

When you export a show, you can select media files to export together.

More Scene Sources

You can use SRT Listener, RTSP stream and Webpage as sources.

More Phone Camera Parameters

You can set latency and buffer duration when creating a phone camera scene.

More Transition Effects

It provides more scene transition effects, including DIP, Wipe, DVE, Stinger and 3D.

Re-ordering Scene/GFX/Shortcut List

You can re-order scene/GFX/Shortcut list by drag and drop.

New Replay Tab

A new Replay tab helps you better control replay, and you can rewind or fast forward one frame during replay.

- Video Source and Audio Source Options for Encoding
 When configuring Encode and NDI Server, you can select different audio sources and video source.
- Support Scheduled YouTube Stream

You can stream to the YouTube channel for preview only and start streaming later as scheduled.

New Album Page

The new Album page provides "Record", "Replay" and "Screenshot" tabs to separate files, so that you can easily find the file you need.

Shortcut

The shortcut functions are updated to date, and you can edit existing shortcuts and add the Wait function to set a pause between two functions.

Firmware version:2.4.708

- Audio Input from Webpage GFX When you apply a webpage GFX in a show, the audio from the webpage can be used as an audio input.
- A Plain Black Image Option for No Single

A plain black image is added to the default options for no signal.

Firmware version:2.4.687

New Input page

A new Input page supports viewing input information and setting no signal image.

New Produce page

The Produce page with renewed layout provides user-friendly remote control, and it is featured with the following new highlights.

- Replay: allow you capture some of greatest moments, slow down the action and save your highlights.
- Create scenes: add single-view scenes quickly.
- Control OBSBOT Webcam: implement PTZ control, enable AI human tracking, and record videos.
- Add Webpage GFX: add a URL and use the webpage's content as a GFX.
- Set FTB image and set FTB transition duration.
- Show live comments: select one comment as an overlay when streaming to YouTube, Twitch or Facebook.
- New switch mode: when switching scenes manually, you can select the transition effect by clicking the **Cut** or **Fade** button.
- Free layout: you can move the cursor over the Scene, GFX, Audio Mixer, Shortcuts, or Live Comments tab and click I to open it as a new tab, so as to customize you preferred layout.
- Set DNS for Ethernet •

You can manually set DNS for Ethernet.

HTTPS Connection to Control Hub

You can enable HTTPS when registering to Control Hub, so as to enhance data security.

Add HTTPS Certificate

You can upload HTTPS certificate to log in to the Web UI via HTTPS, enhancing data security.

Firmware version: 2.3.576

Access Web UI via MDNS

You can enter directormini.local or *device name*.local on the web browser to access the Web UI quickly.

View input information

On the Dashboard page, you can view the information of each input source.

A new Produce page

A new Produce page enables more control and creative options. You can:

- Preview and monitor the current show.
- Create, manage, import and export shows.
- Control scenes, GFX and audio.
- Control phone camera and PTZ camera on the preview area.
- Set shortcuts for the USB keyboard connected to the Director Mini device.
- Add the Encode page

On the Encode page, you can add and edit encode schemes quickly.

Enhance stream settings

When you set stream servers, more parameter options help you enhance the live streaming experience, such as setting network priority, setting Ingestion Protocol for YouTube, and supporting RTMPS for RTMP.

Add the Network page

Go to System - Network, and then you can manage the Ethernet, Wi-Fi and Hotspot.

Firmware version: 2.2.650

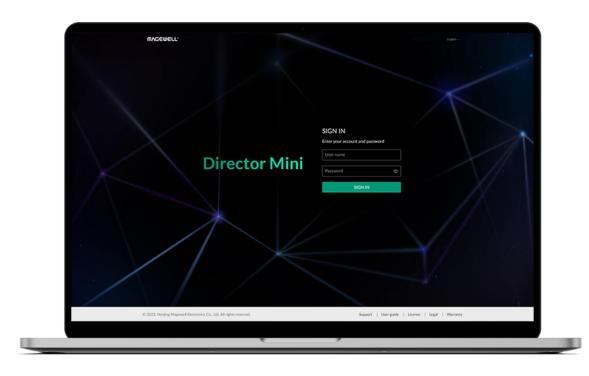
Optimize Audio Mixer

Audio input sources can be linked globally or disconnected with separated settings for each scene

Update "System"

The System page has more functions. You can set device name, set system time, and update firmware.

Log Into the Web UI



Access the Web UI

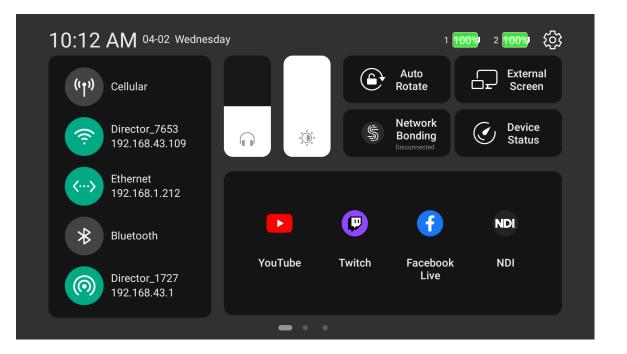
Director device can connect to a network via Ethernet or Wi-Fi. After Director device is connected to a network, you can use flexible methods to access its Web UI, including:

Access Method	Requirements
Use an Ethernet/Wi-Fi IP address	The Ethernet/Wi Director device h
Use MDNS	The computer and are in the same L
Use Windows network discovery	On a Windows O

i-Fi IP address of has been obtained.

nd Director device AN.

Operating system.



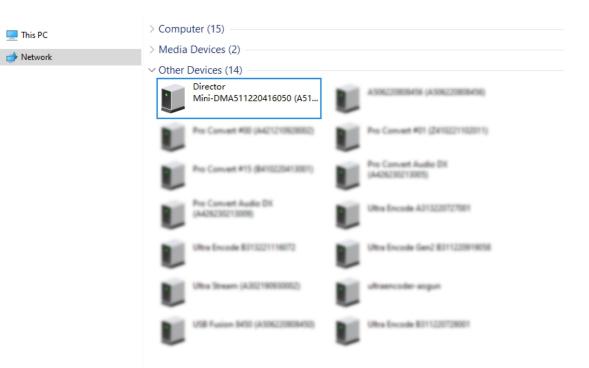
Use an Ethernet/Wi-Fi IP Address

- 1. Ensure that Director device is powered on and has connected to a network. For the network settings of Director device, please refer to User Manual for Director.
- 2. Swipe down from the top of the device's main screen to open the Control Center, where you can find the IP address of the Ethernet or Wi-Fi.
- Connect your computer and Director device to the same network. 3.
- On the computer, open a browser, enter the IP address, and press **Enter**. 4. Then you can see the Web UI login page.

Use MDNS

Director device supports multicast DNS (mDNS), a simple, easy to build, user friendly network discovery protocol. Thus, you can access the Web UI more quickly.

- 1. Ensure that Director device and your computer is in the same local network.
- 2. On the computer, open a browser, enter directormini.local for Director Mini, directorone.local for Director One or *device name*.local, and press Enter. Then you can see the Web UI login page.
 - The default device name is "DM + Serial Number", for example, DMA511220416050. You can customize the device name.
 - The serial number of Director device is the one that can be found on the back of device, for example, A511220416050.



Use Windows Network Discovery

Director device supports SSDP-based network discovery, which you can use to access the device.

On Windows, you can use the File Explorer to discover Director device. This method applies to Windows 7 and later.

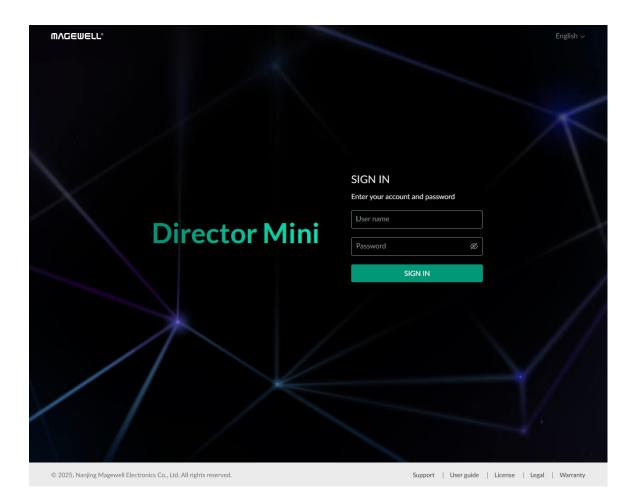
The following uses Windows 10 as an example.

- Ensure that your Director device is powered on and has connected to a 1. network. For the network settings of Director device, please refer to User Manual for Director.
- 2. Connect your computer and Director device to the same network.
- On the computer, open **File Explorer**. You can: 3.
 - Click the **Start** button **I**, and select **File Explorer** in the start menu.
 - Hold down the key and press E on your keyboard.
- 4. At the left panel of **File explorer**, click **Network**. If network discovery is disabled, you need to first enable it by referring to the following method:

Choose **I** > 🐼 , then choose **Network and Internet** > **Network and** Sharing Center > Change advanced sharing settings. Under the current network (the one marked as **current profile**), click **Turn on network** discovery.

- In the **Other Devices** area, the name of Director device is displayed as 5. "Director X + Device Name (Serial Number)". Find your Director device based on the Serial number.
 - The default device name is "DM + Serial Number", for example, DMA511220416050. You can customize the device name.
 - The serial number of Director device is the one that can be found on

6. Double-click the device icon to access the Web UI login page.



Log Into the Web UI

To ensure system stability and security, Director device grants permissions based on role. The roles and permissions are as follows:

Role	Default Name	Permission
Administrator	Admin	Basic view and configurat and system management permissions, which include management, log manage cannot be deleted nor cha
Common user	None	Basic view and configurat system management and permissions. Common use managed by the administr

Director device allows multiple users to simultaneously log in to the Web UI and perform configurations. However, this may lead to previous configurations being overwritten by latter configurations. Therefore, to prevent configuration conflicts, different users should avoid changing configurations at the same time.

ition permissions,

and configuration

le user

ement. This role

anged name.

tion permissions. No

configuration

ers are created and

rator.

• Sign in: Enter your account name and password on the Web UI login page.

To access the login page, see Accessing the Web UI.

The default account name is Admin, and password is Admin, both of which are case sensitive.

The default language is English. You can select your preferred language on the upper right corner of the login page.

If you forget the login password:

- For a common user: Use the admin account to reset your password. For details, see Reset the Password.
- For the administrator: Reset the device, and use the default admin account to log in. For details about device resetting, please refer to the User Manual for Director.
- Sign out: After you log in, click the user name at the upper right corner, and click Sign out.

After using the Web UI, make sure you log out so as to prevent unauthorized access.

NAGEWELL® D	ashboard Input Produce En	code Stream Album BG	iM Media System	👤 Admin 🔨
				Change password
DIRECTOR MINI	Device name	DMA511220416050		Sign out
	Serial number	A511220416050		Reboot
	Power status	Power cable connected -		
VERSION	Firmware	Software	Hardware	
VERSION	1.20	3.0.856	A	
STATUS	CPU	Memory	Temperature	
	29.31%	50%	49.57°C	
	Up time 1 h 7 m	Free space 49.7 GB	Fan speed 3478 rpm	
	Kernel 446			
NETWORK	(19) Cellular	Bluetooth	(Fusion_84) USB-Fusion_84	56_5G
	Ethernet 10.10.7.181	Hotspot		

Change the Login Password

Periodically changing the login password can improve your account security.

For account security, you are advised to change the default password for the Admin user.

- 1. Log in to the Web UI.
- 2. Click the user name at the upper right corner, and click **Change password**.
- 3. In the displayed dialog box, enter the old password, new password, and confirm the new password.

The password is case sensitive, ranging from 1 to 32 characters. Supported characters are as follows: A-Z, a-z, 0-9, and special characters _~!@#\$%^&*-+=

4. Click **OK**.

Besides changing its own password, the Admin user can also reset passwords for common users. For details, see Reset the Password.

View Device Information

MAGEWELL* Dashboard	Input Produce	Encode Stream Album BGM	1 Media System ① Admin ∨
DIRECTOR MINI	Device name Serial number Power status	DMA511220416050 A511220416050 Power cable connected –®	
VERSION	Firmware 1.20	Software 3.0.856	Hardware A
STATUS	CPU 27.06% Up time 16 m Kernel 603	Memory 57% Free space 49.7 GB	Temperature 49.35°C Fan speed 3550 rpm
NETWORK	Cellular Cellular	Bluetooth	USB-Fusion_8456_5G 192.168.67.227

When using the Director device, you can learn about the device information on the **Dashboard** page of the Web UI.

Basic Information

The **DIRECTOR X** area, such as DIRECTOR MINI, displays the basic information of the device.

- Device name: the connected Director device's name. This name can be changed on System > General. Only the Admin user can set the device name on the Web UI.
- Serial number: the serial number of the connected Director device. The serial number can also be found on the device.
- **Power status**: the power connection status, displaying the power cable or the battery status.

Version Information

The **VERSION** area displays the version information of the device

- **Firmware**: the firmware version of Director device.
- **Software**: the software version of Director device. • After you update firmware, you can view software version to check whether the update succeeds.
- Hardware: the hardware version of Director device.

Device Status

The **STATUS** area displays the running status of the device.

- **CPU**: the CPU usage of Director device, in percentage.
- **Memory**: the memory usage of Director device, in percentage.
- **Temperature**: the temperature of the chipset on Director device. To avoid overheat, ensure that device is working in a well-aired environment with proper temperature. When the temperature approaches 90 degrees, you need to reduce the temperature, such as by using a fan.
- **Up time**: the duration that Director device keeps running since last startup.
- Free space: the available storage of Director device.
- **Fan speed**: the rotation speed of the fan per minute. This changes based on the temperature of Director device.
- Kernel: the usage of kernel resource.

Network Information

The **NETWORK** area displays the network connection information.

- Cellular: the cellular network information if a USB Modem is connected.
- **Bluetooth**: the name of the Bluetooth device connected with the device.
- Wi-Fi: the name and IP address of the Wi-Fi.
- **Ethernet**: the IP address of the Ethernet.
- Hotspot: the hotspot name.

View Input

In the navigation bar at the upper part of the Web UI, click **Input** to view input information and set no signal image.

MAGEWELL* Dashboard	Input Produce Enco	ode Stream Albur	n BGM Media	System 💽 Admin 🗸		
INPUT INFORMATION	HDMI 1	HDMI 2	Q WEBCAM 1 USB Capture SDI 4K+	WEBCAM 2 X1100DUSB-HDMI		
	YUV, 59.82 fps 1920×1080p60	YUV, 59.94 fps 1280×720p60	NV12, 29.92 fps 1920×1080p30	YUYY, 50 fps 1920×1080p50		
	NDI ULTRA ENCODE (C315 10.10.3.69:5961	CAMERA Camera #1	RTMP RTMP 2 rtmp://10.0.1.32/live/r	SRT 2 srt://10.0.1.32:8000?st		
	H.264, 59.88 fps, 66.3 Mbps 1920×1080p60	H.264, 60.45 fps, 3.3 Mbps 1080x1920p60	H.264, 59.94 fps, 7.2 Mbps 1920×1080p60	H.264, 59.58 fps, 7.0 Mbps 1920×1080p60		
NO SIGNAL IMAGE	Overlay Input Name					
Select a image for no signal display, which can be up to 1920x1080, 1.00MB.	Location:	op left				
	Margin: 60px					
	Text Color:					
	Opacity: 100%					
		BCAM 1 WEBCAM 2	RTMP SRT RTSP PH	HONE CAMERA NDI		
				1070		

View Input Information

The INPUT INFORMATION area displays the information of the input sources of current show, in which HDMI and WEBCAM are always displayed, while IP inputs and phone camera are displayed when they are added to scenes.

- HDMI 1/2: the input status of the HDMI 1/2 port
 - Format: the color format of HDMI input, such as YUV and RGB
 - *Real-time frame rate*: the real-time frame rate of HDMI input .
 - Resolution/frame rate: the original resolution and frame rate of HDMI • input, such as 1920x1080p60
 - Disconnected: no input source connected. •
- WEBCAM 1/2: the input status of WEBCAM 1/2
 - Device name: the device name of WEBCAM
 - Format: the video format of WEBCAM input, such as YUYV, NV12 and • MJPEG
 - *Real-time frame rate*: the real-time frame rate of WEBCAM •
 - *Resolution/frame rate*: the resolution and frame rate of WEBCAM which • is set when you add the source in a scene, such as 1920x1080p60
 - Disconnected: no input source connected or added to a scene •
- NDI[®]: the input status of NDI stream •

- *Stream name*: the name of NDI stream
- *URL*: the URL of NDI stream
- Codec: the codec information of NDI stream, such as H.264 and H.265
- *Real-time frame rate*: the real-time frame rate of NDI stream •
- *Bitrate*: the real-time bitrate of NDI stream •
- Resolution/frame rate: the original resolution and frame rate of NDI • stream
- Disconnected: no NDI input signal
- **RTMP**: the input status of **RTMP** stream
 - Stream name: the name of RTMP stream
 - *URL*: the URL of RTMP stream
 - Codec. the codec information of RTMP stream, such as H.264
 - Real-time frame rate: the real-time frame rate of RTMP stream
 - *Bitrate*: the real-time bitrate of RTMP stream •
 - Resolution/frame rate: the original resolution and frame rate of RTMP stream
 - Disconnected: no RTMP input signal
- **SRT**: the input status of **SRT** stream
 - Stream name: the name of SRT stream
 - URL: the URL of SRT stream
 - *Codec*: the codec information of SRT stream, such as H.264 and H.265
 - Real-time frame rate: the real-time frame rate of SRT stream
 - Bitrate: the real-time bitrate of SRT stream

- *Resolution/frame rate*: the original resolution and frame rate of SRT • stream
- Disconnected: no SRT input signal
- **RTSP**: the input status of RTSP stream
 - *Stream name*: the name of RTSP stream
 - *URL*: the URL of RTSP stream
 - *Codec*: the codec information of RTSP stream, such as H.264
 - *Real-time frame rate*: the real-time frame rate of RTSP stream
 - *Bitrate*: the real-time bitrate of RTSP stream •
 - *Resolution/frame rate*: the original resolution and frame rate of RTSP stream
 - Disconnected: no RTSP input signal
- Phone Camera: the input status of phone camera
 - *Camera name*: the custom name of phone camera
 - *Phone name*: the custom name or model of your phone
 - *Codec*: the codec information of phone camera
 - Real-time frame rate: the real-time frame rate of phone camera •
 - *Bitrate*: the real-time bitrate of phone camera
 - *Resolution/frame rate*: the original resolution and frame rate of phone • camera which is set when you add the source to a scene.
 - *Disconnected*: no phone camera input signal

MAGEWELL® Dashboard	-	Admin 🗸
	10.10.3.69/59/61 IPhone rtmp://100.1.32/10/07 src//100.1.32/8000/sc H.264, 59.88 fps, 66.3 Mbps H.264, 60.45 fps, 3.3 Mbps H.264, 59.94 fps, 7.2 Mbps H.264, 59.76 fps, 7.2 Mbps 1920×1080p60 1080x1920p60 1920×1080p60 1920×1080p60 1920×1080p60	
NO SIGNAL IMAGE	Overlay Input Name)
Select a image for no signal display, which can be up to 1920x1080, 1.00MB.	Location: Top left Margin: 60px Text Color: 100% Dpacity: Opacity: 100% HDM11 HDM12 WEBCAM1 WEBCAM2 RTMP SRT RTSP PHONE CAMERA NDI Image: Im	
© 2024, Nanjing Magewell Electronics Co., Ltd. All rig	chts reserved.	Warranty

Set No Signal Image

In the NO SIGNAL IMAGE area, you can choose to overlay input name and select a image for no signal display.

Overlay Input Name

- 1. Toggle on the the switch of **Overlay Input Name**.
- 2. Select the location where to display the input name.
- Drag the slider to adjust the margin. 3.
- Select the text color. 4.
- 5. Drag the slider to adjust the text opacity.

Select No Signal Image

You can select a default or custom image for no signal display, which can be up to 1920x1080, 1.00MB.

- 1. In the NO SIGNAL IMAGE area, click each source tab to select image for different source.
- 2. Click + to select an image from the Media. If there is no available images, you can click **Upload** to import an image from local.

Supported image files are JPEG, PNG, BMP.

- Click + again to add more images. 3.
- Click one image to set it as the no signal image. 4.

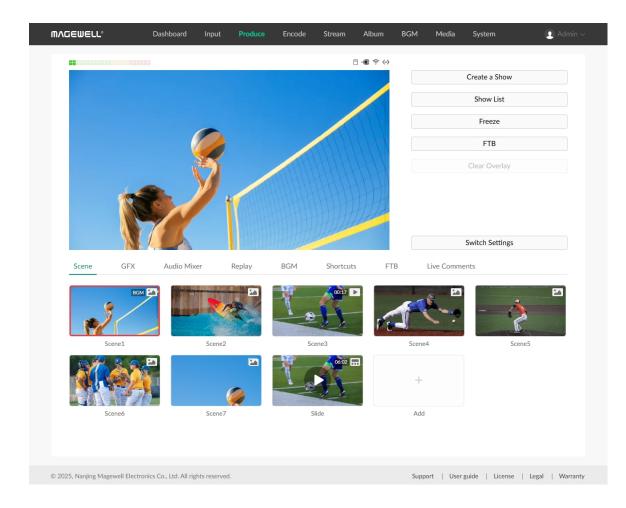
After that, when the source is no signal, it displays the selected image. If no image is selected, it displays the default one.

Delete No Signal Image

- 1. In the **NO SIGNAL IMAGE** area, click a source tab.
- 2. Move the cursor over a thumbnail, and click .
- 3. Click **Delete** on the menu, and confirm to delete on the popup. The default images cannot be deleted.

Produce Your Show

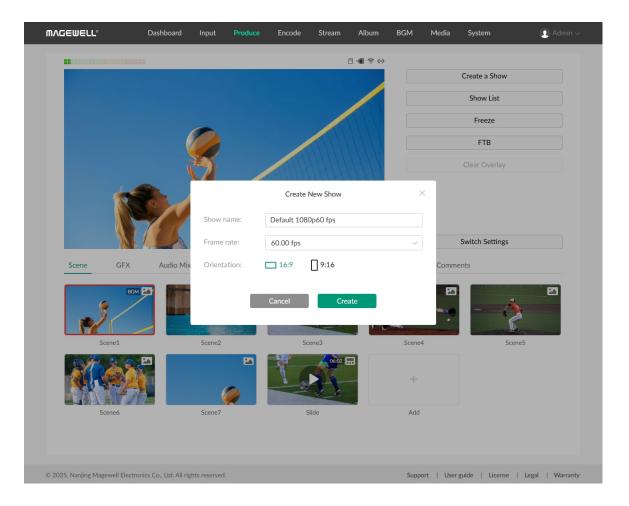
On the Produce page, you can create, manage, import and export shows, control scenes, GFX and audio, etc. You can also set shortcuts for the USB keyboard connected to the Director device for more convenient control.



Preview Show

At the preview area, it displays the status bar and the real-time program image with the program audio level.

- The status bar displays the audio meter, recording and streaming status, power status, along with the connection status of headphone, Bluetooth device, SD card and network.
- Move the cursor over the preview video box, click 🕺 to monitor audio through the Web UI, and click \P ⁾ to mute.
- Move the cursor over the preview video box, click $\begin{bmatrix} \neg \\ \Box \end{bmatrix}$ to go to full screen mode, and click $\neg \Gamma$ to exit.
- Click **Freeze** on the right side to freeze the program image and click **Unfreeze** to unfreeze
- Click FTB on the right side to fade the program image into black or the specified image and mute the audio, and click **FTB** again to bring your show back. You can set FTB image and set FTB transition duration.
- Click tabs under the preview area to control scenes, GFX, etc.
- Move the cursor over a tab and click \square to open it as a new tab, supporting Scene, GFX, Audio Mixer, Shortcuts, and Live Comments. By this way, you can customize your own preferred layout.

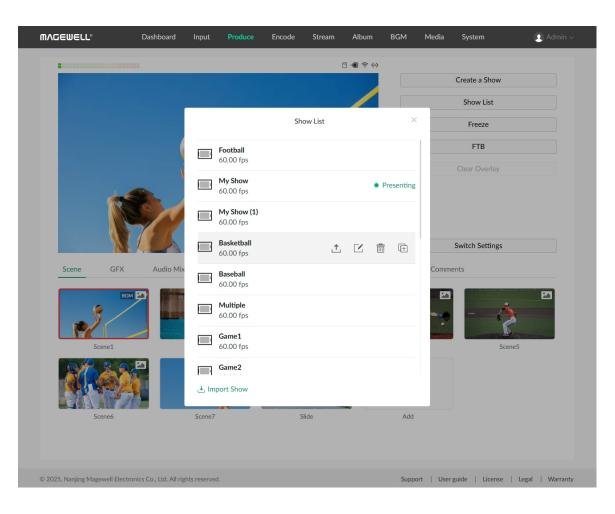


Create and Manage Shows

Create Show

- Click **Create a Show** on the **Produce** page. 1.
- Enter your show name. 2.
- 3. Select the frame rate. Options include 60/59.94/50/30/29.97/25/24/23.98 fps.
- Choose the screen orientation: 16:9 (landscape), 9:16 (portrait). 4.
- Click Create. 5.

After you create a show, the show is opened as the current show.



Manage Show

The show list displays the name and frame rate of each show, through which you can switch and manages shows.

Switch Show

- Click **Show List** on the **Produce** page. 1.
- 2. Click a show name to switch to the show.

Import Show

- Click **Show List** on the **Produce** page. 1.
- Click **Import Show** at the bottom left corner. 2.
- Select a show file (.zip) to import. 3. The imported show will be added to the show list.

Export Show

- 1. Click **Show List** on the **Produce** page.
- Move the cursor over a show. 2.
- 3. Click 1.
- 4. Select the media files to export together with the Show Config file, or click Select All to select all the files, and then click Export.
- 5. Then, the show is exported as a .zip file.

Rename Show

- Click **Show List** on the **Produce** page. 1.
- Move the cursor over a show. 2.

- 3. Click 🔽.
- 4. Enter a new name, and click **Save**.

Copy Show

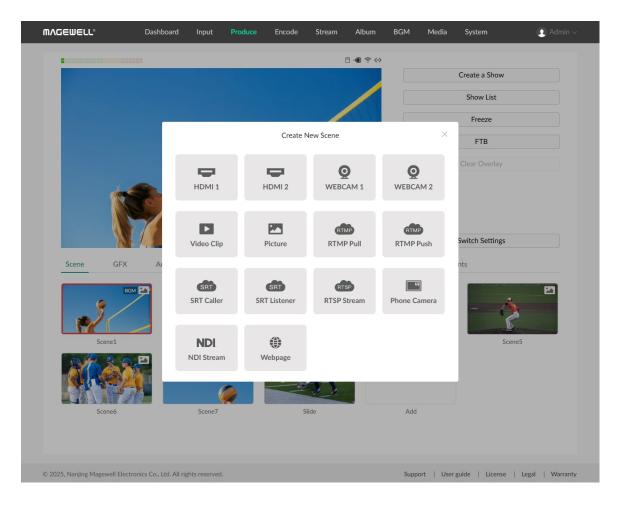
- 1. Click **Show List** on the **Produce** page.
- 2. Move the cursor over a show.
- 3. Click +.
- 4. Enter a new name, and click **Copy**.

The new show you created inherits everything from the original show.

Delete Show

- 1. Click **Show List** on the **Produce** page.
- 2. Move the cursor over a show.
- 3. Click 🛄.
- 4. Confirm to delete on the popup.

 $\dot{\nabla}$ The current presenting show cannot be deleted.



Control Scene

Click the **Scene** tab, it displays the scene thumbnails and names of the current show. Scroll the scene list to view all the scene thumbnails.

Create Scene

You can create single-view scenes.

- Click the **Add** button. 1.
- Select a source in the **Create New Scene** window to add. 2.
 - HDMI

A high-quality external signal from a professional camera, computer, game console, etc. Up to 4K signal input is supported.

WEBCAM

A high-quality external signal from a USB device, such as webcam. Up to 1080p60 signal input is supported. For details, refer to Add WEBCAM.

Video Clip

Select a video file from the media, which can be up to 4K, encoded in H.264, and in MOV, MP4, WebM or MKV format. If you upload a MOV file in ProRes 4444 format, it will be automatically converted to the WebM format to enhance performance.

You can click **Upload** to add more files into the media library.

Picture

Select picture file the media, which can be JPG, PNG or BMP.

You can click **Upload** to add more files into the media.

RTMP Pull

A streaming source pulled via RTMP from a third-party server. Please refer to Add RTMP Pull.

RTMP Push

A streaming source pushed to the Director device via RTMP. Please refer to Add RTMP Push.

• SRT Caller/Listener

A streaming source supporting SRT protocol. Please refer to Add SRT Caller/Listener.

RTSP

A streaming source pulled via RTSP. Please refer to Add RTSP Stream.

Phone Camera

A camera signal from the phone installed with the Director Utility App. You can Add Phone Camera at first, and then use your phone to connect the device.

NDI Stream

A streaming source pulled via NDI[®] HX2, NDI[®] HX3 or NDI High Bandwidth. Please refer to Add NDI Stream. It supports H.264 and H.265 codec.

Webpage

The content of a webpage. Please refer to Add Webpage.

3. Repeat the above steps to create more scenes.

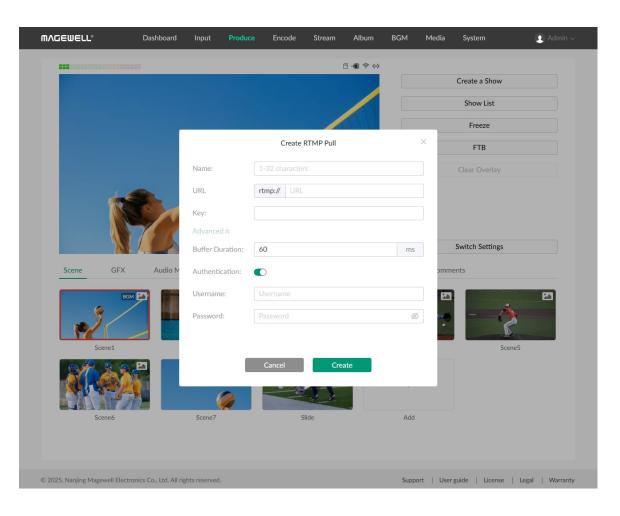
Notice:

- In the same show, you can create up to 3 streams, including up to 3 NDI [®] streams.
- In the same show, you can create up to 3 Phone Cameras.

Add WEBCAM

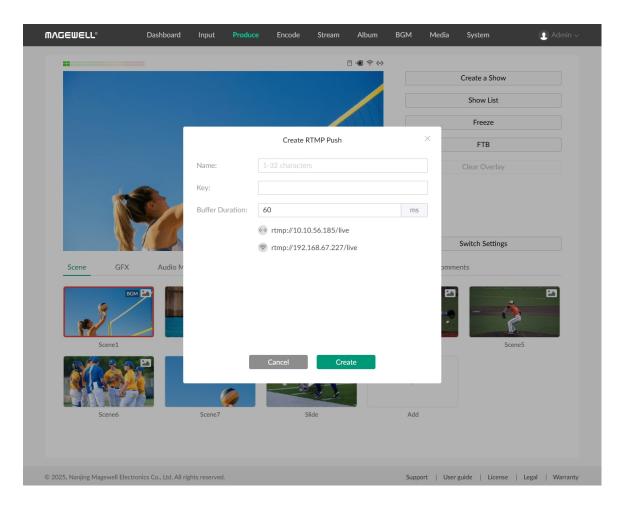
- 1. Click the **Add** button in the Scene tab.
- 2. Select **WEBCAM 1** or **WEBCAM 2** in the **Create New Scene** window.
- 3. Bind a webcam device to WEBCAM 1 or WEBCAM 2 according to the following situations.
 - If one USB device is connected, choose **WEBCAM 1**, then the device will be bound with WEBCAM 1 automatically. When you add WEBCAM 2, no-signal screen will be displayed, vice versa.
 - If two or more USB devices are connected, when adding WEBCAM 1 or **WEBCAM 2**, please select a device on the popup to bind.

You can refer to Edit Scene to select or change the USB device bound to WEBCAM 1 or WEBCAM 2 as well set the WEBCAM's properties.



Add RTMP Pull

- Click the **Add** button in the Scene tab. 1.
- Click **RTMP Pull** in the **Create New Scene** window. 2.
- Enter the following information. 3.
 - Name: Specify an alias name for your convenience of multi-item management.
 - URL: Enter the RTMP URL of the RTMP server. To add a video stream from a live platform, you can get the RTMP URL from the platform.
 - Key: Enter the key set on the RTMP server.
- (Optional) Click Advanced to set the following parameters. 4.
 - Buffer duration: It ranges from 20ms to 8000ms, and the default value is 60ms. You can set a short duration when low latency matters.
 - Authentication: If the RTMP sender requires authentication, toggle on Authentication and enter Username and Password provided by the **RTMP** sender.
- 5. Click Create.
- 6. To add more RTMP streams, repeat step 1 and 2, click Create Stream, and operate as step 3 to 5 to finish creation.
- 7. After a stream is added, its information is recorded in the show. You can select an existing stream when you create a new scene.
- 8. To edit a stream, please refer to Edit Scene, or you can repeat step 1 and 2 and then click \square to make changes.
- 9. To delete a stream, you can delete all the scenes containing this stream, or delete the stream source in all the relative scenes on the device.



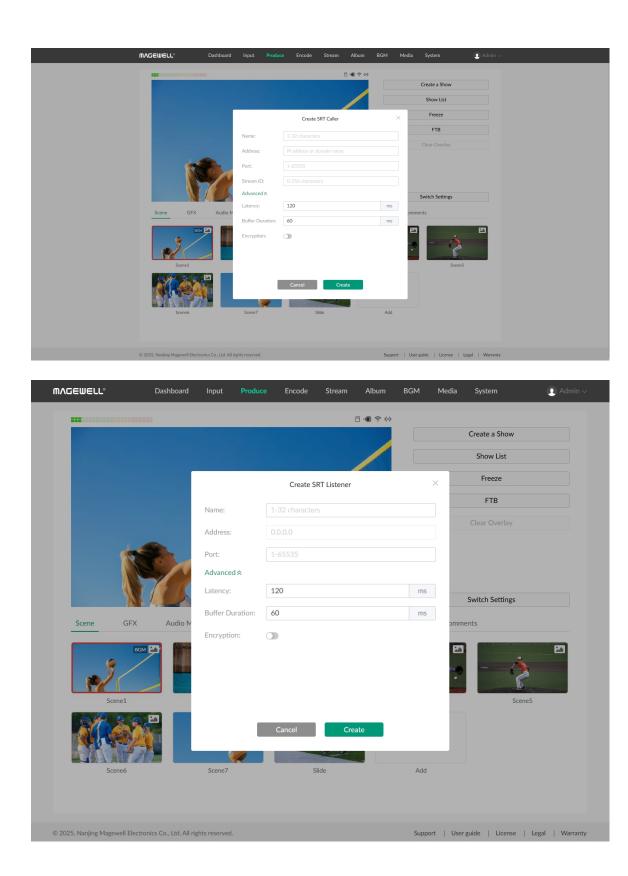
Add RTMP Push

As is to send RTMP streams to the Director device, the IP address of Director device is the destination.

- Click the **Add** button in the Scene tab. 1.
- 2. Click **RTMP Push** in the **Create New Scene** window.
- Enter the following information, and click **Create**. 3.
 - Name: Specify an alias name for your convenience of multi-item management.
 - Key: Specify a stream key.
 - Buffer duration: It ranges from 20ms to 8000ms, and the default value • is 60ms. You can set a short duration when low latency matters.

A stream address is automatically generated at the bottom of the window, including an Ethernet address and/or a wireless network address. The sender should use this address as the destination address.

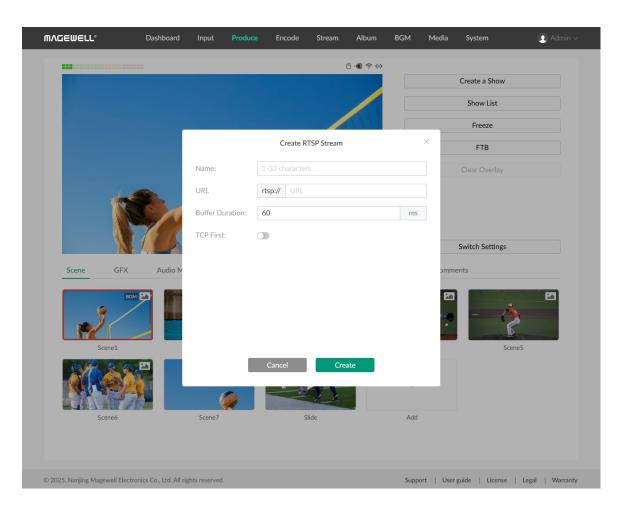
- 4. To add more **RTMP** streams, repeat step 1 and 2, click **Create Stream**.
- 5. After a stream is added, its information is recorded in the show. You can select an existing RTMP stream when you create a new scene.
- 6. To edit a stream, please refer to Edit Scene, or you can repeat step 1 and 2 and then click \checkmark to make changes.
- 7. To delete a stream, you can delete all the scenes containing this stream, or delete the stream source in all the relative scenes on the device.



Add SRT Caller/Listener

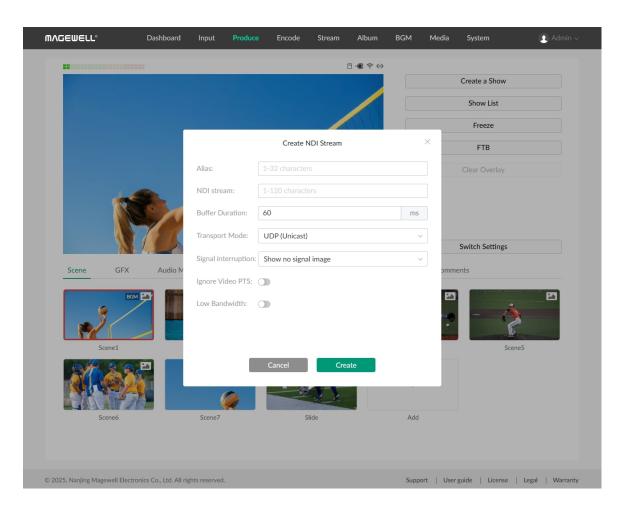
- Click the **Add** button in the Scene tab. 1.
- Click **SRT Caller** or **SRT Listener** in the **Create New Scene** window. 2.
- Enter the following information. 3.
 - Name: Specify an alias name for your convenience of multi-item management.
 - Address: Available for SRT Caller. If the SRT listener and caller are on the same LAN, enter the private IP address of the SRT listener on the LAN. If the SRT listener and caller are in different network environments, enter the public IP address of the SRT listener.
 - **Port**: Enter the port of the source. It ranges from 1 to 65535.
 - Stream ID: Available for SRT Caller. Enter the stream ID of the listener, which can contain 0 to 256 characters. You can leave it empty if the listener has no stream ID.
- (Optional) Click Advanced to set the following parameters. 4.
 - Latency: Enter a number between 20 to 8000. The default value is 120. It is recommended that the latency is configured the same as that of the source.
 - **Buffer duration**: The value ranges from 20ms to 8000ms. The default value is 60ms. You can set a short duration when low latency matters.
 - **Encrypted**: If the stream from the source is encrypted, toggle on Encrypted, select the encryption mode, which can be AES 128, AES 192 or AES 256, and then enter the Passphrase.
- 5. Click Create.

- 6. To add more SRT streams, repeat step 1 and 2, click Create Stream, and operate as step 3 to 5 to finish creation.
- 7. After a stream is added, its URL is recorded in the show. You can select an existing URL when you create a new scene.
- 8. To edit a stream, please refer to Edit Scene, or you can repeat step 1 and 2 and then click \square to make changes.
- 9. To delete a stream URL, you can delete all the scenes containing this stream, or delete the stream source in all the relative scenes on the device.



Add RTSP Stream

- Click the **Add** button in the Scene tab. 1.
- Click RTSP Stream in the Create New Scene window. 2.
- Enter the following information. 3.
 - Name: Specify an alias name for your convenience of multi-item management.
 - URL: Enter the RTSP URL. The URL syntax is rtsp://username:password@IP-address:port, username and password are from RTSP digest authentication.
 - Buffer duration: The value ranges from 20ms to 8000ms. The default • value is 60ms. You can set a short duration when low latency matters.
 - TCP first: It is disabled by default, which means that the device will attempt to establish a connection with the RTSP server using the UDP protocol first. If it fails, it will then switch to TCP. When it is enabled, the device will first attempt to use TCP for communication. If it fails, it will then try to use UDP instead.
- Click Create. 4.
- To add more RTSP streams, repeat step 1 and 2, click Create Stream, and 5. operate as step 3 to 4 to finish creation.
- After a stream is added, its URL is recorded in the show. You can select an 6. existing URL when you create a new scene.
- 7. To edit a stream, please refer to Edit Scene, or you can repeat step 1 and 2 and then click \checkmark to make changes.
- To delete a stream URL, you can delete all the scenes containing this 8.



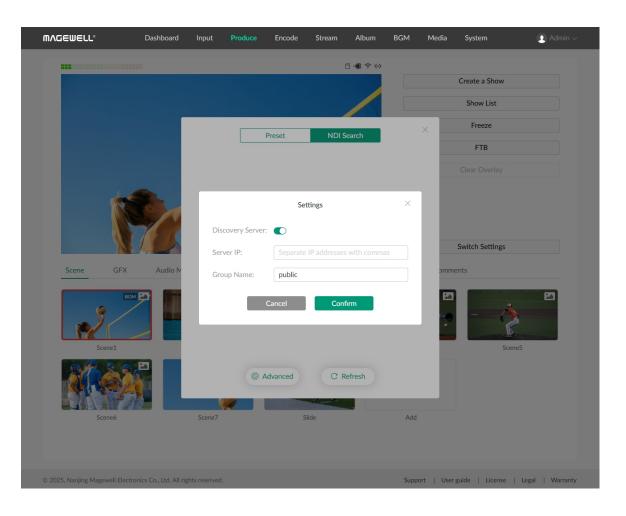
Add NDI Stream

Add NDI Stream Manually

- Click the **Add** button in the Scene tab. 1.
- Click NDI Stream in the Create New Scene window. 2.
- 3. Click the **Preset** tab, and then click **Create NDI stream**.
- Enter the following information. 4.
 - Alias: Specify an alias name for your convenience of multi-item management.
 - NDI stream: Enter the stream name of NDI source, which is caseinsensitive, or enter IP:Port.
 - Buffer duration: The value ranges from 20ms to 8000ms. The default value is 60ms. You can set a short duration when low latency matters.
 - Transport mode: Options include UDP (Unicast), UDP (Multicast), RUDP (Unicast), TCP (Uni-connection) and TCP (Multi-connection).
 - Signal interruption: Select to show no signal image or show last frame when NDI signal is interrupted.
 - Ignore video PTS: For some video streams with wrong timestamps, toggle on this function to ensure smooth video output.
 - Low bandwidth: It is recommended to enable this function when the connected network speed is too low to output smooth video. When

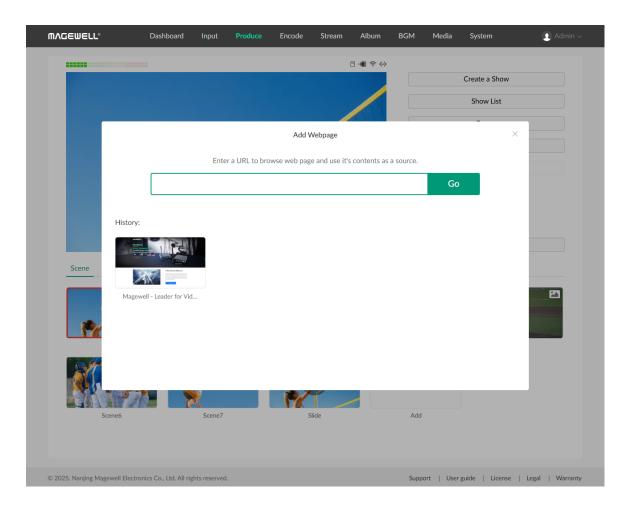
toggled on, the video stream drops to medium quality and uses significantly less bandwidth.

- 5. Click **Create** to add the stream to the scene.
- 6. Repeat the steps above to create more NDI streams. When multiple NDI streams are created, you can select one to add to a scene.
- 7. To edit a stream, please refer to Edit Scene, or you can repeat step 1 and 2 and then click \frown to make changes.
- 8. To delete an stream, repeat step 1 and 2 and then click $\boxed{100}$. If a NDI stream is in one or more scenes, it cannot be deleted. Please delete the source in relative scenes on your device at first, and then delete it.



Search NDI Stream Automatically

- Click the **Add** button in the Scene tab. 1.
- Click NDI Stream in the Create New Scene window. 2.
- 3. Click **NDI Search**, and it starts searching NDI sources in the same LAN. By default, it searches NDI sources of the public group.
- Click **Advanced**, enter **Group name**, and Click **Confirm**. Then it starts 4. searching sources in corresponding group(s). Group name is case-insensitive, and should contain A to Z, a to z, 0 to 9 and special characters like _-. The group name entry can contain commaseparated values, allowing the device search all the groups listed here.
- 5. If you toggle on **Discovery server**, it can auto-detect a source sender in different network segment but be able to ping. And the Server IP should be the IP address of the server running discovery server software.
- 6. Select a detected NDI source in the list to add to the scene. And it is added to the **Preset** list at the same time.



Add Webpage

- Click the **Add** button in the Scene tab. 1.
- Click **Webpage** in the **Create New Scene** window. 2.
- 3. Enter a URL and click Add.
- Click + Add to add more. 4.

The History lists all the added URLs, and you can click one thumbnail to add it as a scene. Move the cursor over a thumbnail, click **one** and click **Delete** on the menu to delete the URL.

- You can add up to 3 webpages as scene sources in a show.
- It is not recommended to add a video URL as it will consume a lot of system resources.

GEWELL*		ashboard	Input	Produce	Encode	Stream	Album	BGM	Media	System	Admi
							∃-@:?↔			Create a Show	
										Show List	
		Create Camera					Freeze				
			Camera N	ame: C	Camera #1					FTB	
			Microphor	ie:						Clear Overlay	
	-		Image Qua	lity:	High	Midd	le	Low	. 8		
	E.	1	Advanced	*							
		1	Resolution		540	720		1080		Switch Settings	
Scene	GFX	Audio M	Frame Rat	e:	60	30			omn	nents	
			Video Bitr	ate: 8	192			kbps			
	BGM	all a	Audio Bitr	ate:	64	96		128		^	E
			Latency:	1	.20			ms		E C	
Scer	ne1		Buffer Dur	ation: 6	0			ms		Scene	:5
			ş		Cancel	Crea	ate				
Scer	ne6		Scene7		S	lide		Add			
)25, Nanjing Magev	well Electronics C	Co., Ltd. All rig	ghts reserved.					Suppo	ort Use	r guide License	Legal Warra

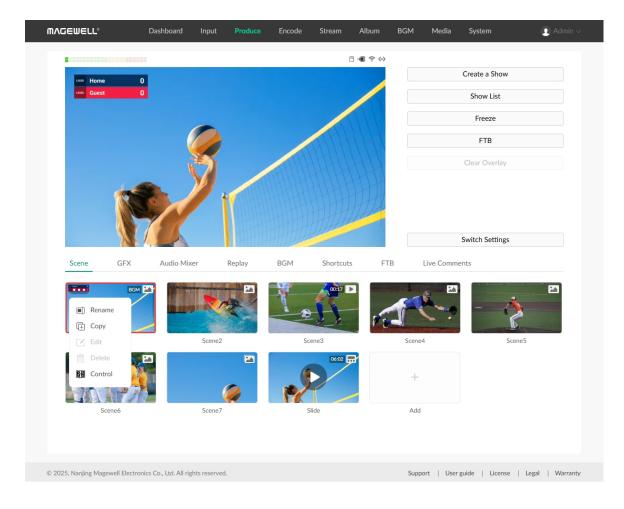
Add Phone Camera

To use the image from your phone's camera as a source, you have to create Phone Camera on the device at first.

- Click the **Add** button in the Scene tab. 1.
- Click **Phone Camera** in the **Create New Scene** window. 2.
- Enter the camera name (1 32 bytes). 3.
- Toggle on Microphone, so that the Director device can capture audio from 4. your phone's microphone.
- 5. Select the image quality: High, Middle, Low.
- (Optional) Click **Advanced** to set relative properties. 6.
 - **Resolution**: 540, 720, 1080
 - **Frame rate**: Options change along with the frame rate of the show, which can be 60/59.94/50/30/29.97/25/24/23.98/15 fps.
 - Video bitrate: enter your preferred value.
 - Audio bitrate: 64, 96, 128
 - Latency: enter a number between 20 to 8000. The default value is 120. It is recommended that the latency is configured the same as that of the source.
 - Buffer duration: The value ranges from 20ms to 8000ms. The default value is 60ms. You can set a short duration when low latency matters.
- 7. Click Create.
- 8. To create more cameras, repeat step 1 and 2, and then click **Create** camera in the Select Phone Camera window to add a new camera.
- 9. To edit an existing phone camera, please refer to Edit Scene, or you can

repeat step 1 and 2 and then click 🗹 to make changes.

10. Connect the device with you phone installed with Director Utility App. Please refer to Director Utility App User Manual.



Rename Scene

- Mover the cursor over a scene, and click . 1.
- Click **Rename** on the menu. 2.
- 3. Enter the new scene name, and click **Save**.

Copy Scene

- Move the cursor over a scene, and click . 1.
- Click **Copy** on the menu. 2.
- 3. Enter the new scene name, and click **Copy**.

Edit Scene

You can edit the properties of WEBCAM, Phone Camera, Stream and webpage sources.

- 1. Move the cursor over a scene containing WEBCAM, Phone Camera, Stream or webpage source, and click .
- 2. Click Edit on the menu.
- Select a source if there are multiple editable sources. 3.
- Make your changes and click **Save**. 4.

Delete Scene

- 1. Move the cursor over a scene, and click .
- 2. Click **Delete** on the menu.
- 3. Confirm to delete on the popup.

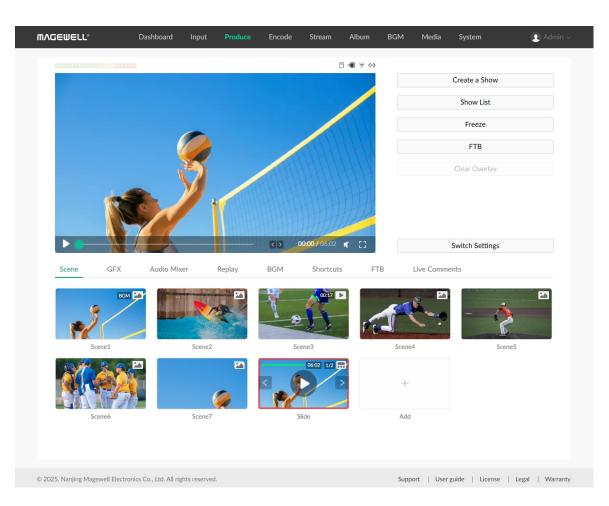
Re-order Scene

Drag and drop a scene thumbnail to the desired position.

Control Private GFX

If a scene contains a private scoreboard, stopwatch or timer, you can control the GFX.

- 1. Move the cursor over a scene, and click .
- 2. Click **Control** on the menu.
- 3. Control the GFX, referring to Control GFX.



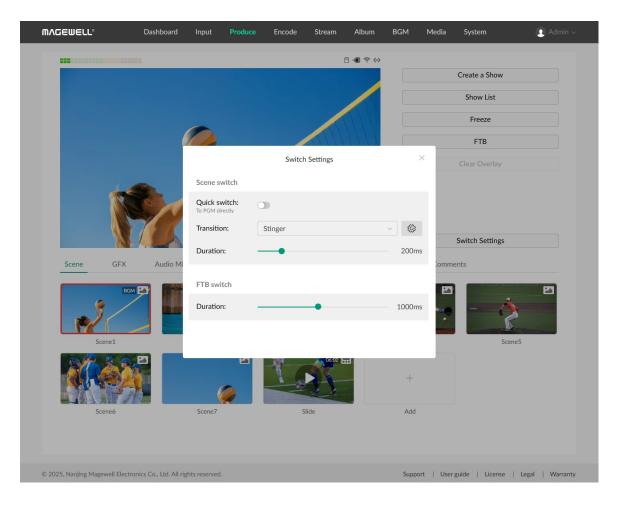
Control Video Playback

If a scene contains a video clip, you can click the play/pause button on the scene thumbnail to view the video.

Or, you can hover the cursor over the preview image to call out the video progress bar. Then, you can play/pause the video and adjust the progress. If it contains a video slide show, you can click the left/right arrow to jump to the previous/next video.

Control Slide Show

If a scene has a picture or video slide show, you can click the play/pause button on the scene thumbnail to start or stop the slide show, and use the left/right arrows to turn pages or switch videos.



Switch Scenes

Switch Settings

- Click Switch Settings on the Produce page. 1.
- In the **Scene switch** area, set scene switch mode and transition effect. 2.
 - **Quick switch**: Toggle off the switch, it goes to the manual switch mode. To enable the quick switch mode, toggle on the switch.
 - **Transition**: Select the transition effect.
 - Cut: Scenes switch directly. (Default)
 - Fade: Scenes switch with the fade effect.
 - **DIP**: Scenes switch with a two-step transition with a color flash in • the middle of the transition. Click \bigotimes for more settings.
 - Wipe: One scene is replaced by another gradually sweeping across the screen. Click \bigotimes for more settings.
 - **DVE**: One scene is replaced by another according to a 2D DVE pattern. Click 🔅 to select a DVE effect.
 - **Stinger**: A stinger is played over the top to cover the transition. Click Office for more settings.
 - **3D**: One scene is replaced by another according to a 3D pattern. Click 🐼 to select a 3D pattern.
 - **Duration**: Drag the slider to set the transition effect duration, ranging from 50ms to 1000ms.

- 3. In the **FTB switch** area, drag the slider of **Duration** to set the transition duration for FTB, ranging from 200ms to 2000ms.
- 4. Click X to exit.

DIP Settings

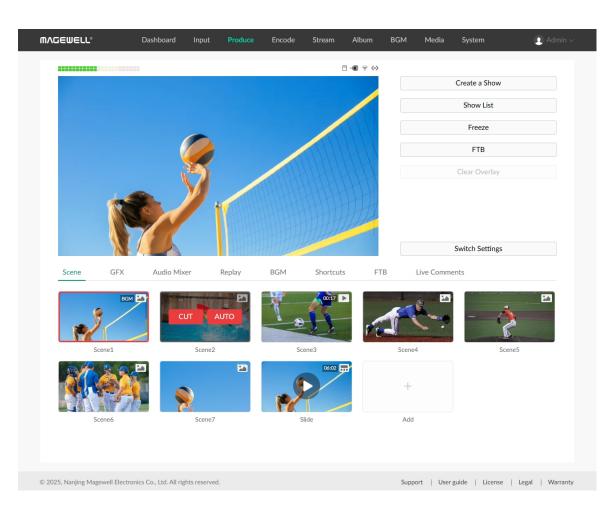
- **Onset**: Duration from the current scene to the color flash.
- Offset: Duration from the color flash to the next scene.
- Hold: Duration that the color flash is held. This value is the residual of the total transition duration minus the onset and offset.
- Color: Select a preferred color.

Wipe Settings

- Angle: Set the angle of linear wipe.
- Line 1/2/3: By default, the line is invisible. Toggle on the switch to display the line and click \bigotimes to set thickness, color and transparency.

Stinger Settings

- **Thumbnail**: Click a thumbnail to select a stinger, and click it again to replace the default stinger with your own one. The stinger should be an MP4, MOV or WebM file within 1 to 5 seconds.
- **Chromakey**: Toggle on Chromakey and set similarity, smoothness and spill, to remove the background.
- Enable audio: If your video contains audio, you can toggle on Enable audio • and adjust the audio volume.



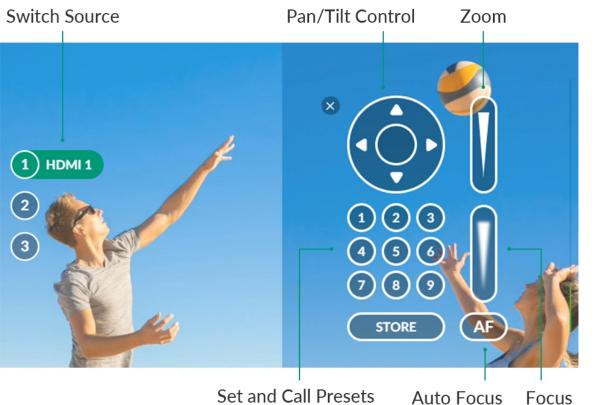
Quick Switch

When Quick switch is toggled on, click scene thumbnails in the scene list to switch scenes directly.

Manual Switch

When **Quick switch** is toggled off, it goes to manual switch mode. You can set and preview the content to program. After you confirm everything is OK, you can program the scene.

- 1. Click the thumbnail of next scene to program in the scene list. The main screen of the device displays the preview image. The program scene thumbnail has a red frame, while the the preview scene thumbnail has a grey frame and displays **Cut** and **Auto** buttons.
- Check everything to program is OK. 2.
- 3. Click the **Cut** or **Auto** button on the preview scene thumbnail, and the scene goes to program directly or with the selected transition effect.



Set and Call Presets Auto Focus

Control PTZ Camera

When a source supports UDP-based or NDI-based PTZ function, you can control the PTZ camera on the preview area.

- 1. Click **PTZ Control** under the thumbnail to enter the PTZ control mode, by which you can also enter phone camera control mode.
- 2. If there are multiple PTZ sources or phone camera sources in the scene, select a source on the popup. After that, you can click numbers on the left in the preview area (at the bottom for portrait mode) to switch sources.
- Click and hold any blank area on the PTZ control panel and drag it to the 3. desired position.
- 4. Click X to exit.

Pan/Tilt Control

- On the Pan/Tilt Control panel, click the center of the circle and drag the green dot to move the camera. The closer to the center of the circle, the slower the camera moves; The farther away from the center of the circle, the faster the camera moves.
- Click the arrows to pan/tilt the camera.

Zoom

Slide on the slide bar at the upper right to zoom.

- Slide up, and the lens zooms in.
- Slide down, and the lens zooms out.

Slide up and down on the slide bar at the lower right to focus. You can also click \overrightarrow{AF} for auto-focus.

- Slide up, and then the lens focuses near and the nearby object gets clear.
- Slide down, and then the lens focuses far and the distant object gets clear.

Presets

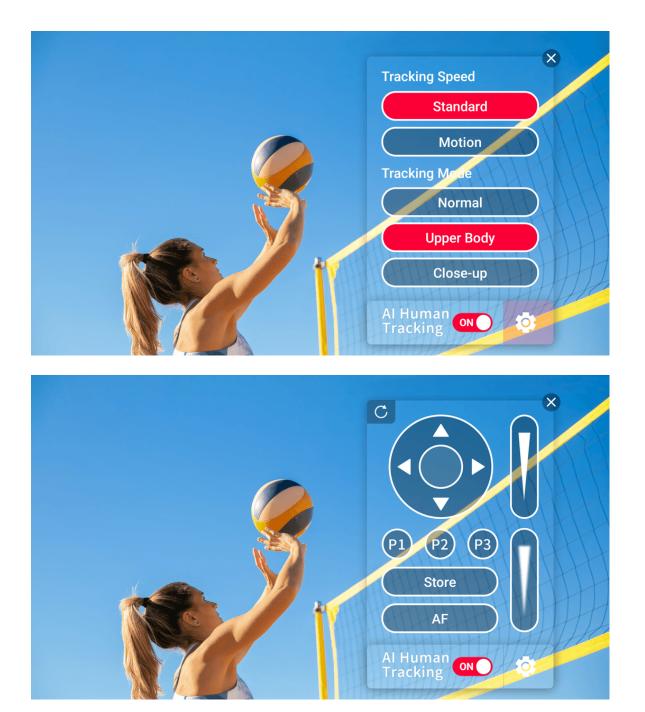
A preset is a predefined image position which contains information of pan, tilt, zoom, etc. After the preset is configured, you can move the camera to your desired position quickly by calling the preset.

- 1. Move the camera to your desired position and adjust zoom and focus.
- 2. Click (STORE) and then click a number to save. For example, if you click No.1, it will be saved as Preset 1.
- 3. Repeat the steps above to add more presets.
- 4. Click a preset No. to call the preset.

It supports to add up to 9 presets.

y object gets clear. Int object gets clear

zoom and focus. or example, if you



Control OBSBOT WEBCAM

Director device is compatible with OBSBOT WEBCAMs. Besides basic operations such as Pan/Tilt Control, Zoom, Focus, and Presets, the PTZ control center for OBSBOT supports the following features.

For OBSBOT webcam, it supports adding up to 3 presets, and the preset numbers change to P1, P2 and P3.

AI Human Tracking

- 1. Click \bigotimes to open the setting page.
- 2. Set tracking speed, mode, etc. Options may change with OBSBOT webcam modules.
- Click 🐼 again to close the setting page. 3.
- Toggle on the switch of AI Human Tracking to start. 4.
- Toggle off the switch of AI Human Tracking to stop. 5.

Record Webcam

If your OBSBOT webcam supports recording, such as OBSBOT Tail Air, you can record videos to the SD card installed in the webcam.

- Click Record to start recording.
- Click **Recording** to stop.
- Click to view recorded files.
 - Click a thumbnail to preview.
 - Hover your mouse over a thumbnail, click and then click **Download** to download a file to local or click **Delete** to delete the file.

Camera #1 1080p30, 8 Mbps \$ 1 5 2 PHONE CAMERA - Camera #1 Record • 00:00 \bigcirc \mathbb{Z} <u></u> General AUTO AUTO AUTO 0.0

Reset Webcam

Click \mathbb{C} to reset the OBSBOT webcam to its initial position.

Wake Up Webcam

If the OBSBOT webcam has gone to sleep, click Wake Up to bring it back to work.

Control Phone Camera

You can control the zoom and focus of phone camera.

- Switch a phone camera scene to program view. 1.
- Click **PTZ Control** under the scene thumbnail to enter the phone camera 2. control mode, by which you can also enter the PTZ control mode. If there are multiple PTZ sources or phone camera sources in the scene, select a source on the popup. After that, you can click numbers on the left in the preview area (at the bottom for portrait mode) to switch sources.
- 3. Click to control the phone camera:
 - Click shall and select Front-facing camera or Back-facing camera. There will be more back camera options, such as Back Dual Wide Camera and Back Ultra Wide Camera, depending on your phone type. Besides, you can even select a USB camera connected with your iPad.

To use the external USB webcams, the iPad requires an iPadOS version of 17 or above and it should have a USB-C port for connectivity.

• Click $\widehat{\mathbb{Q}}$ / $\widehat{\mathbb{Q}}$ to enable or disable the microphone.

- Click / X to turn on/off the flashlight.
- Click (1) / (1) to enable or disable image stabilization.
- Click **Record** to record the phone camera image to your mobile device. Click again to stop recording.
- Drag \bigcirc to control the phone camera to zoom in or out.
- 4. Click WB to set White Balance:

Select an appropriate white balance mode to ensure a true-to-life color range. For example, select $\stackrel{-}{\not\sim}$ when shooting in bright daylight. Also, you can click \square to manually adjust the color temperature.

5. Click ISO to set ISO:

Slide the ISO value to set camera light sensitivity. Low values are for stationary or well-lit objects. Higher values are for fast-moving or low-lit objects, but which can result in noise.

6. Click () to adjust Focus:

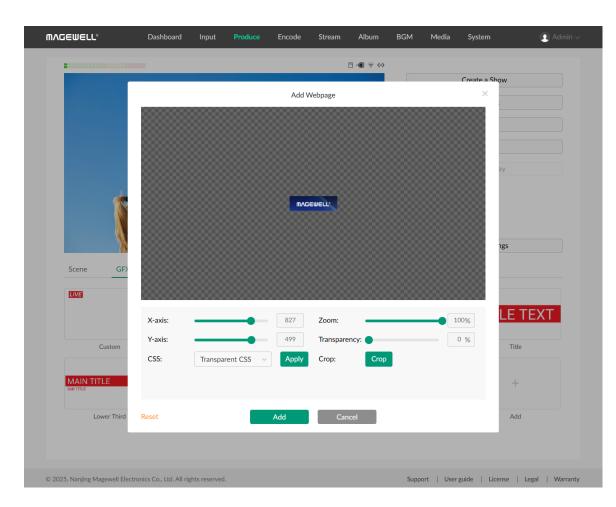
Drag the adjustment bar to manually adjust the focus.

7. Click 🖄 to adjust Exposure:

Slide to change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.

- 8. Click a place on the phone camera image to focus.
- 9. Click x to exit.

For some phones, they may not support the focus function due to their own limitation.



Control GFX

Click the GFX tab, and it displays GFX thumbnails and names. Scroll the GFX list to view all the GFXs. You can apply, control and manage GFXs. Besides, you can add a URL and use the content on the webpage as a GFX.

Add Webpage GFX

- On the GFX tab page, click + Add. 1.
- Enter a URL and click **Go**. 2.
- Edit the GFX, and click Add. 3.
 - Move the slider of X-axis or Y-axis to change its position.
 - Move the slider of Zoom to zoom out or in.
 - Move the slider of **Transparency** to change its transparency.
 - Select **CSS** and click **Apply** to change the background of the webpage.
 - Default CSS: Use the default background of the webpage.
 - Transparent CSS: Change the background to transparent.
 - Custom CSS: Enter your own CSS. •
 - To crop the webpage, click **Crop**.
 - i. Select a cropping aspect ratio. By default, the Free aspect ratio is used, which allows you to crop at any aspect ratio.
 - Drag a corner of the crop frame to select the part you want to ii. retain.
 - Drag with the crop frame to move around. iii.
 - If you want to cancel the current cropping, tap **Reset** to revert to iv.

the original size.

- v. Click Save.
- Click **Reset** to clear all the changes.
- 4. Click **+ Add** to add more.

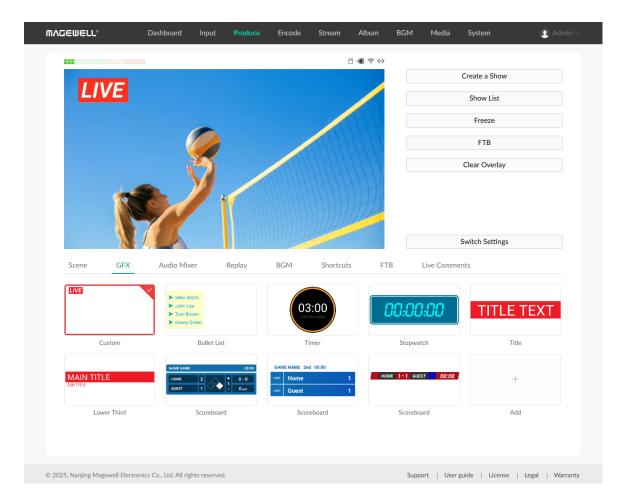
The History lists all the added URLs, and you can click one thumbnail to edit.

It is not recommended to add a video URL as it will consume a lot of system resources.

You can add up to 7 webpage GFXs.

Delete URL

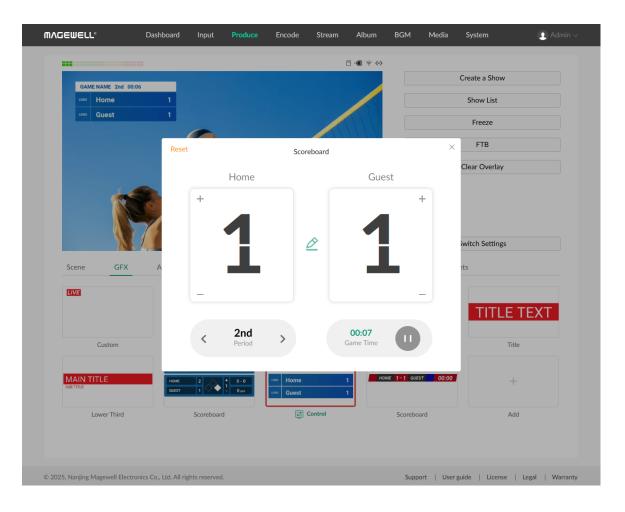
- 1. On the GFX tab page, click + Add.
- 2. Move the cursor over a thumbnail in the **History**, click .
- 3. Click **Delete** on the menu, and confirm to delete on the popup.



Apply GFX

- Select one or more GFXs in the GFX list, and then the selected GFX(s) is applied in the program scene. A red frame around the thumbnail indicates the GFX is displayed.
- If a bullet list is applied and it is set to manual play mode, you can click **Next** under the thumbnail to display the next line.
- Unselect one GFX, and then the GFX disappears from the program scene. •
- Click **Clear Overlay** to hide all the GFXs.

You can apply up to 8 GFXs at the same time.



Control Scoreboard

You can only apply one scoreboard, but you can control all the scoreboards separately.

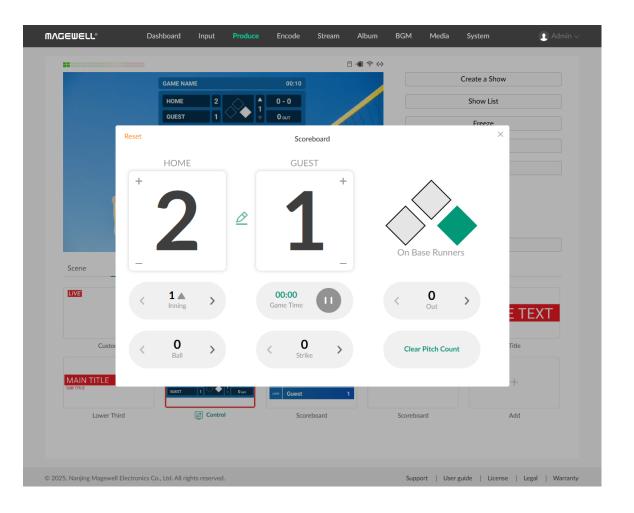
You can call out the control panel via the following ways.

- Apply a scoreboard, and click **Control** under the GFX thumbnail. •
- Move the cursor over a scoreboard thumbnail, click . and select **Control** on the popup menu.
- For a private scoreboard in a scene, move the cursor over the scene • thumbnail, click **(...)**, and select **Control** on the popup menu.

Control General Scoreboard

- Click the upper part of the number to increase the score, and click the 1. lower part of the number to decrease the score. You can also click otin 2
 otin, then scroll the score number of the home or guest team, and save your choice.
- 2. Click the left or right arrow at the bottom left to select a period. If the period is not set to be shown, you can click "Show" to display it.
- Control game time: 3.
 - Click D at the bottom right to start counting; click D to pause.
 - If the game time is hidden, you can click "Show" to display it.
 - Click the time number, and then select time in the time box to adjust time, or click "Reset" to reset the game time to zero or the preset duration.
- 4. Click "Reset" to restore the score to 0:0, reset the game time to zero or reset to the set duration.

You can also move the cursor over a scoreboard thumbnail, click •••• , and select "Reset" on the popup menu.

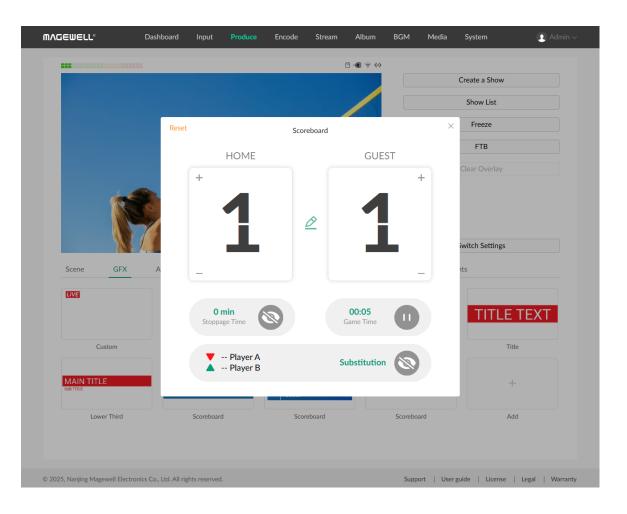


Control Baseball Scoreboard

- Click the upper part of the number to increase the score, and click the 1. lower part of the number to decrease the score. You can also click \swarrow , then scroll the score number of the home or guest team, and save your choice.
- Click \diamond to indicate runners on 1st Base, 2nd Base, and 3rd Base. 2.
- Click the left or right arrow of **Inning** to set inning number and the "top" or 3. "bottom" half. And confirm whether to also clear settings of on-base runners, outs, balls and strikes on the popup.
- Control game time: 4.
 - Click D to start counting; click D to pause.
 - Click the time number, and then select time in the time box to adjust time, or click "Reset" to reset the game time to zero or the preset duration.
- 5. Click the left or right arrow of **Out** to indicate outs as numbers or shapes.
- Click the left or right arrow of **Ball** to indicate balls as numbers. 6.
- 7. Click the left or right arrow of **Strike** to indicate strikes as numbers.
- Click **Clear Pitch Count** to make balls and strikes both zero. 8.
- Click **Reset** to clean all the sets. 9.

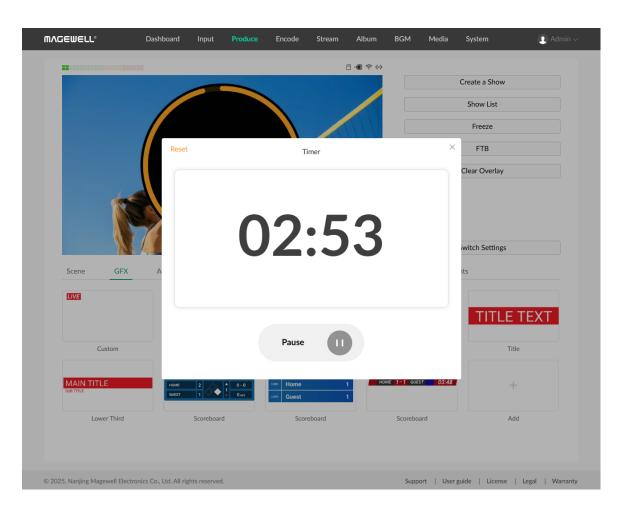
You can also move the cursor over a scoreboard thumbnail, click . and select "Reset" on the popup menu.

10. If some element is set to be hidden, click "Show" to display it.



Control Soccer Scoreboard

- Click the upper part of the number to increase the score, and click the 1. lower part of the number to decrease the score. You can also click \swarrow , then scroll the score number of the home or guest team, and save your choice.
- 2. Show stoppage time:
 - Click the time number to select the stoppage time, and you can click "Reset" to reset the stoppage time to zero.
 - Click (a) to show the stoppage time, and click (a) to hide.
- 3. Control game time:
 - Click \bigcirc at the bottom right to start counting; click \bigcirc to pause.
 - Click the time number, and then select time in the time box to adjust time, or click "Reset" to reset the game time to zero.
 - If the game time is hidden, you can click "Show" to display it.
- 4. Show substitution:
 - Click "Substitution" to enter the information of the players to enter and leave the field.
 - Click (a) to show the substitution, and click (a) to hide.
- 5. Click "Reset" to restore the score to 0:0, reset the game time to zero. You can also move the cursor over a scoreboard thumbnail, click . and select "Reset" on the popup menu.



Control Timer

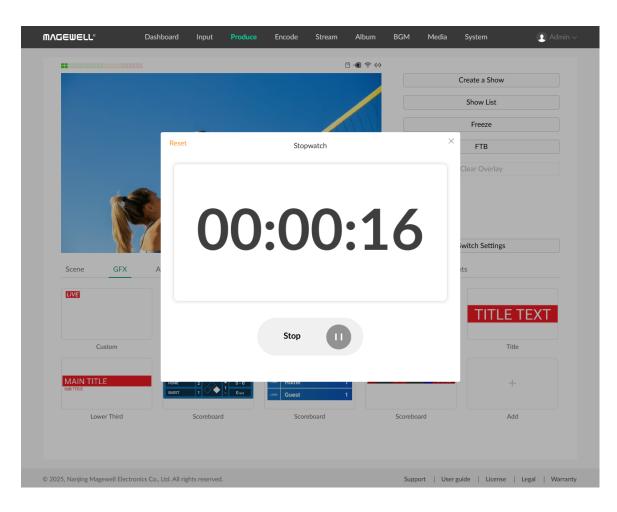
You can only apply one timer, but you can control all the timers separately. Way 1

- 1. Apply the Timer.
- 2. Under the thumbnail, click \bigcirc to start counting, click \bigcirc to pause counting, click 🕑 again to resume counting.
- Move the cursor over a thumbnail, click **one** and click **Reset** to restore 3. the timer to the preset duration.

Way 2

- 1. Move the cursor over a thumbnail, click **control** on the popup.
- 2. Click \bigcirc to start counting, click \bigcirc to pause counting, click \bigcirc again to resume counting.
- 3. Click **Reset** to restore the timer to the preset duration, and you can reselect the duration.
- 4. Click "x" to go back.

For a private timer in a scene, move the cursor over the scene thumbnail, click , and select **Control** on the popup menu to call out the control panel.



Control Stopwatch

You can only apply one stopwatch, but you can control all the stopwatches separately.

Way 1

- 1. Apply a stopwatch.
- 2. Under the thumbnail, click \bigcirc to start counting, click \bigcirc to pause counting, click 🕑 again to resume counting.
- Move the cursor over a thumbnail, click **one** and click **Reset** to restore 3. the stopwatch to zero.

Way 2

- 1. Move the cursor over a thumbnail, click **control** on the popup.
- 2. Click \bigcirc to start counting, click \bigcirc to pause counting, click \bigcirc again to resume counting.
- Click **Reset** to restore the stopwatch to zero. 3.
- 4. Click "x" to go back.

For a private stopwatch in a scene, move the cursor over the scene thumbnail, click **....**, and select **Control** on the popup menu to call out the control panel.

Manage GFX

Rename **GFX**

- 1. Move the cursor over a thumbnail, click .
- 2. Click **Rename** on the menu.

3. Enter the new name, and click **Save**.

Delete **GFX**

- 1. Move the cursor over a thumbnail, click .
- 2. Click **Delete** on the menu.
- 3. Confirm to delete on the popup.

Copy GFX

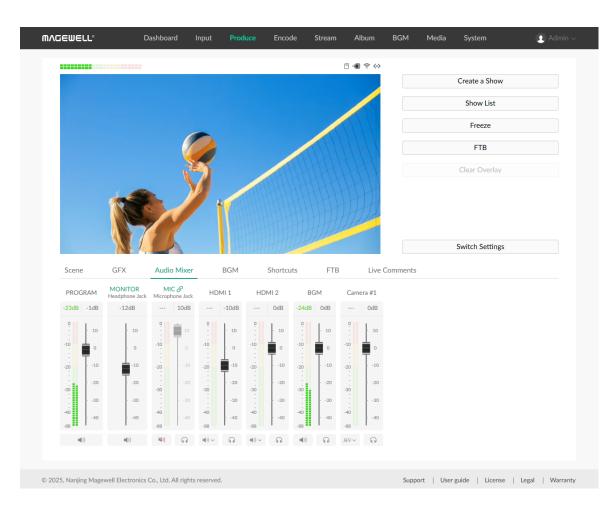
- 1. Move the cursor over a thumbnail, click .
- 2. Click **Copy** on the menu.
- 3. Confirm to copy on the popup.

Edit GFX

- 1. Move the cursor over a thumbnail, click .
- 2. Click **Edit** on the menu.
- 3. Edit text content, replace pictures in the popup, etc.
- 4. Click Save.

Re-order GFX

Drag and drop a GFX thumbnail to the desired position.



Control Audio

Click the **Audio Mixer** tab to control the output and input audio of the show.

Audio Type

Scroll the audio mixer to view all the audio sources.

- **PROGRAM**: Output audio of the program scene, for streaming or recording. •
- MONITOR: Audio output for monitoring.
- Audio Input Sources: .
 - MIC: Audio of global microphone.
 - Bluetooth: Audio from a Bluetooth device, which is displayed when the • device is connected with the Director device.
 - **USB AUDIO**: Audio from a USB device, which is displayed when the device is connected with the Director device.
 - HDMI: Audio from an HDMI source, which is displayed on the audio . mixer by default.
 - **RTMP**: Audio from the **RTMP** stream source, displayed with the self-• defined name.
 - SRT: Audio from the SRT stream source, displayed with the self-defined • name.
 - **RTSP Stream**: Audio from the RTSP stream source, displayed with the . self-defined name.
 - NDI: Audio from the NDI stream source, displayed with the self-defined • alias.
 - Phone Camera: Audio from the phone, displayed with the self-defined •

name.

- VIDEO CLIP: Audio embedded in the video clip source, which appears when the video clip is in program view. It displays the file name under VIDEO CLIP to distinguish different files.
- **BGM**: Audio of the background music. Usually, it displays the global • BGM. When the current scene has private BGM, the global BGM is overridden by the private one.
- Webpage: Audio from a webpage source. •
- GFX: Audio from a webpage or NDI GFX, which appears when a webpage or NDI GFX is displayed in the show.

Audio Meter

Except the monitor, each audio has its audio meter showing the real-time level. The range of the audio meter is -88 dB to 0 dB. It displays the peak value on the top of the audio meter. Colored blocks and scales indicate the danger of clipping, as shown in the table below.

Color	Scale Range	Description
Green	-88 ~ -40	Audio device is connected.
Green	-40 ~ -20	Audio volume is low.
Yellow	-20 ~ -10	Audio is at normal levels.
Red	-10 ~ 0	Audio is in danger of clippi



Adjust Audio Level

Each audio has a fader for adjusting the maximum level.

- Move the fader to set the gain on the audio level. The range is from -40dB to 10dB.
- The current adjusted value is displayed on the top of the fader. Double-click the value to restore the fader to OdB.

Set Program Audio

Click the button at the bottom to turn on or turn off the program output audio.

- (\mathbf{I}) : indicating the program output audio is turned on. •
- \mathbf{k} : indicating the program output audio is turned off. •

Set Monitor

The monitor has an independent audio level with the default gain of -15 dB. You can set monitor audio without effecting the program output audio.

Set Monitor Properties

Click **MONITOR** to set the following properties.

- Select Device: select a device as the monitor.
 - Headphone Jack: device connected to the headphone jack.
 - Bluetooth Device: device connected through BT.
 - USB device: device(s) connected to the USB 3.0 port(s). The system automatically lists device name(s).
- Monitor Option:

Toggle on/off the switch of **MIC Input** to set whether to monitor the microphone. It is toggled on by default.

Enable/Disable Monitor

Click the button at the bottom to enable or disable audio monitoring.

- (\mathbf{I}) : indicating audio monitoring is enabled. •
- indicating audio monitoring is disabled.

Solo Monitor

- Click to only monitor this audio input.
- Click for cancel.

Set Audio Input Sources

Audio Association State

- When an audio input source is added to multiple scenes, its name is displayed in green on the audio mixer, and you can click the name to change its association state. It also applies to global audio including Mic, Bluetooth and USB audio.
 - \mathscr{S} : indicating the audio input is associated with multiple scenes. The settings to this audio input will take effect to all the scenes.
 - 况 : indicating the audio input is not associated with other scenes. You can customize the audio mixing mode and adjust audio level for each scene.
 - When the state changes from \swarrow to \checkmark , the settings to this audio input will take effect to the whole show.

• When an audio input source is only contained in one scene, its name is displayed in black on the audio mixer and cannot be clicked. The settings to this audio input will take effect to all the scenes.

When a webpage's audio is added into different scenes or GFXs, it is treated as separate audio input sources, serving as the private audio for each scene or GFX.

Set Audio Mixing Mode

Click the icon to set the audio mixing mode of each audio input source.

- When the audio input source is in \mathscr{S} state, or is only added in one scene, or is a webpage source,
 - AFV~: Audio-follow-video. The audio will only be sent to the program output when the input is in program view.
 - (\mathbf{I}) (\mathbf{V}) (\mathbf{V}) (• program output.
 - \mathbb{N} : Always OFF. An audio input will be permanently not mixed into • the program output.
- When it is private BGM, Video Clip, or other audio input source in state
 - (\mathbf{I}) : ON. When the current scene is in program view, the audio will be • sent to the program output.
 - \mathbf{W} : OFF. When the current scene is in program view, the audio will • not be sent to the program output.
- When it is global BGM,
 - (\mathbf{I}) : ON. It will be permanently mixed into the program output. •

- \mathbf{W} : OFF. It will be permanently not mixed into the program output.
- When it is webpage GFX audio,

•

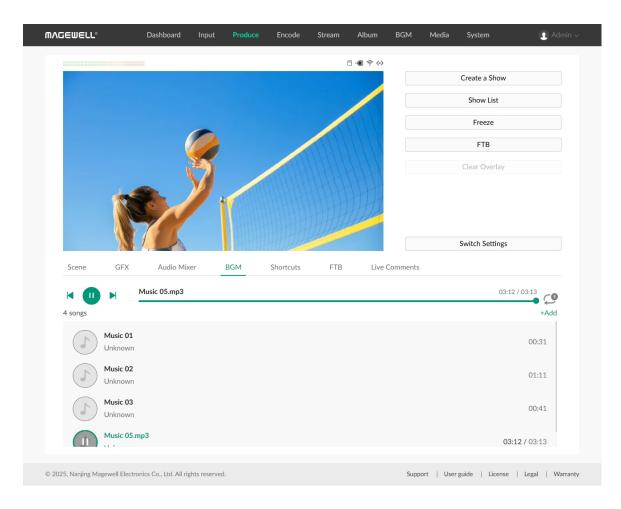
- (I) : ON. When the GFX is applied, the audio will be sent to the program output.
- i OFF. When the GFX is applied, the audio will not be sent to the • program output.

If you connect a Magewell USB Capture device to the Director device, the USB audio supports AFV. For other USB devices, they do not support AFV.

Use Magewell USB Capture

When a Magewell USB Capture is connected to the Director device, you can control the embedded audio from the input signal and microphone/Line In audio.

- Embedded audio from the input signal: support setting \mathscr{S} and $\overset{\sim}{\sim}$ state. Please refer to Set Audio Input Sources.
- Microphone/Line In audio: •
 - $\langle \mathbf{I} \rangle$: ON. The audio input will be permanently mixed into the program • output.
 - : OFF. The audio input will be permanently not mixed into the • program output



Control BGM

Click the **BGM** tab, and then you can add and control private background music for the current program scene.

You can also add global background music to play throughout the entire show by referring to the Global BGM.

Add BGM

- Click the + Add button. 1.
- Click + Upload at the lower right corner to import local audio files to 2. media.

Supported formats are MP3, M4A, WAV files.

3. In the **Media** list, click an item to add it to the current scene.

Rearrange BGM

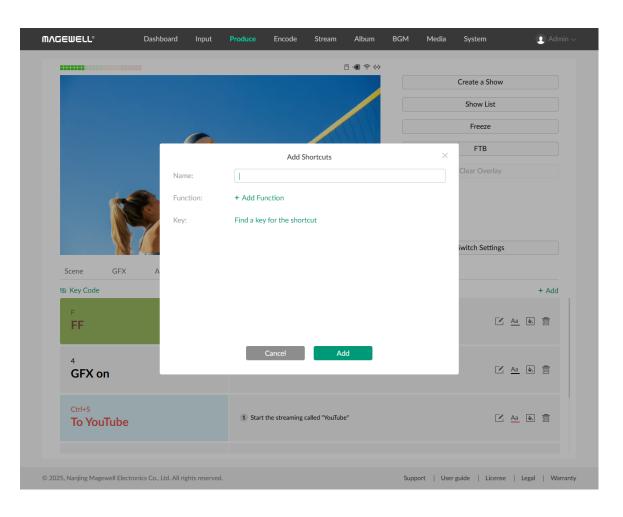
- 1. Hover your mouse over a BGM item.
- 2. Click 1 to move upward or click to move downward.

Delete BGM

- 1. Hover your mouse over a BGM item.
- 2. Click (), and click **Delete** on the popup dialog box.

Play BGM

- 1. Click the song name to switch.
- 2. Click buttons on the playback bar to control the BGM playback.
 - Click **b** to play or **u** to pause.
 - Click to play the previous song or to play the next song.
 - Drag the playhead to a specified position.
 - Set the loop policy:
 - 🗘 : Repeat the playlist
 - 💭 : Repeat the song
 - X : Shuffle the playlist



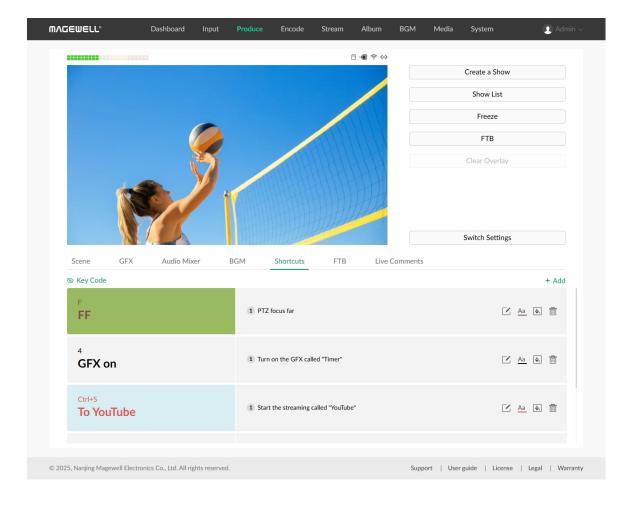
Set Shortcuts

You can connect a USB keyboard or Bluetooth keyboard with the Director device, such as X-Keys and NumberPad, and then set shortcuts on the Web UI for more convenient control.

Add Shortcuts

- Click the **Shortcuts** tab on the **Produce** page. 1.
- 2. Click Add.
- Enter a custom name for your shortcut. 3.
- Click Add Function, and then click the drop-down box of Function to 4. select a function. As some functions may need more selections or operations, follow the on-screen guide to continue. Click Add.
- 5. To add more functions for the shortcut, repeat step 4.
 - You can add up to 3 functions for one shortcut. When you press the key, it executes all the functions at the same time.
 - Besides, the Director device provides the extra 'Wait' function which can be added between each two functions. By setting the wait duration, a group of functions can be activated sequentially with a single press, allowing them to take effect one by one.
- Click Find a key for the shortcut 6.
 - i. Press a key on the USB keyboard to help find the key code, or you can enter a key code number. You can also press two or more keys at the same time.
 - Enter the key text on the key to help identify the key. You can also ii. customize the text.

- 7. Click **Add** to finish adding this shortcut.
- Repeat step 2 to 7 to add more shortcuts. 8.
- 9. The shortcut list displays all the shortcut keys (including key text and the custom name) and their functions. Click a shortcut or press a key to test whether the shortcut works normally.
- (Optional) Click Key Code at the upper left corner to display or hide key 10. code.



Edit Shortcuts

- Click the **Shortcuts** tab on the **Produce** page. 1.
- 2. Click on the right, and then you can change the following properties.
 - Rename the shortcut.
 - Reselect functions by hovering the cursor over a function and then clicking [.]
 - Reorder functions by hovering the cursor over a function and then clicking or .
 - Delete a function by hovering the cursor over a function and then clicking 🛄.
 - Add more functions by clicking **Add Function**.
 - Change the key by clicking **Change**.
- 3. Click Save to save your changes.

Set Text and Background Color for Key

- 1. Click the **Shortcuts** tab on the **Produce** page.
- 2. Click \underline{Aa} to set the text color of shortcut key.
- 3. Click to set the background color of shortcut key.

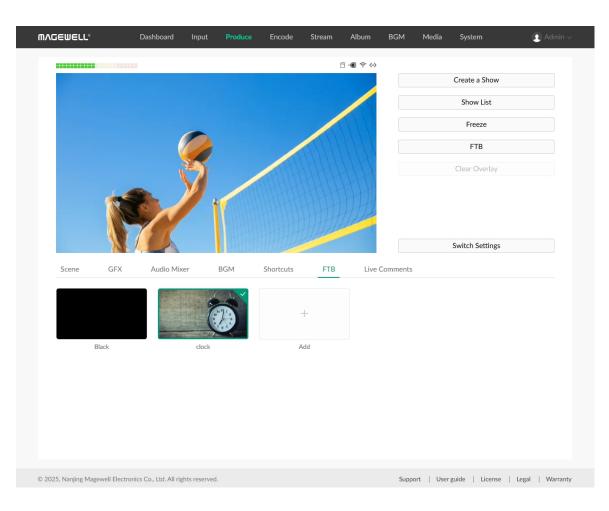
Delete Shortcuts

- 1. Click the **Shortcuts** tab on the **Produce** page.
- 2. Click iii on the right of a shortcut.
- 3. Click **Delete** to confirm.

Re-order Shortcuts

- 1. Click the **Shortcuts** tab on the **Produce** page.
- 2. Drag and drop one shortcut to the desired position.

 $\stackrel{\text{\tiny black}}{=}$ For the full list of shortcuts, please refer to Shortcuts for Director.



Set FTB Image

The FTB function allows your program image to fade to black or an assigned image, with all audio muted.

Add and Specify Image

- Click the **FTB** tab on the **Produce** page. 1.
- In the FTB tab page, click + Add button. 2.
- Click one picture in the Media. You can also click **Upload** to import 3. pictures on your local computer.

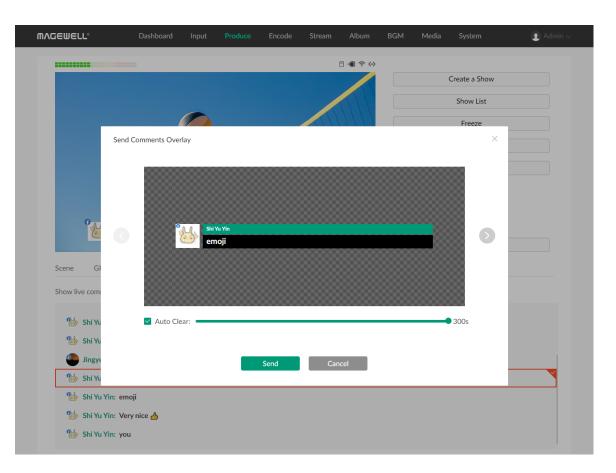
Supported image files are JPEG, PNG, BMP.

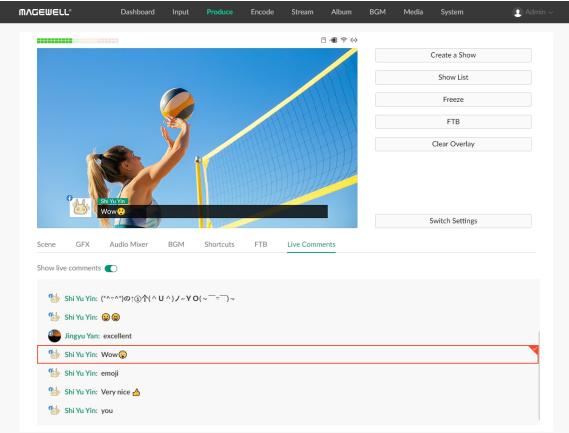
- Click + Add to add more images. 4.
- Click one image to specify. When you enable FTB, the scene fades to this 5. image. If you select **Black**, it will fade to black.

It is recommended to use a 16:9 or 9:16 image to fill the screen with its original aspect ratio.

Delete FTB Image

- Click the **FTB** tab on the **Produce** page. 1.
- Move the cursor over a thumbnail, and click . 2.
- Click **Delete** on the menu. 3.
- Confirm to delete on the popup. 4.

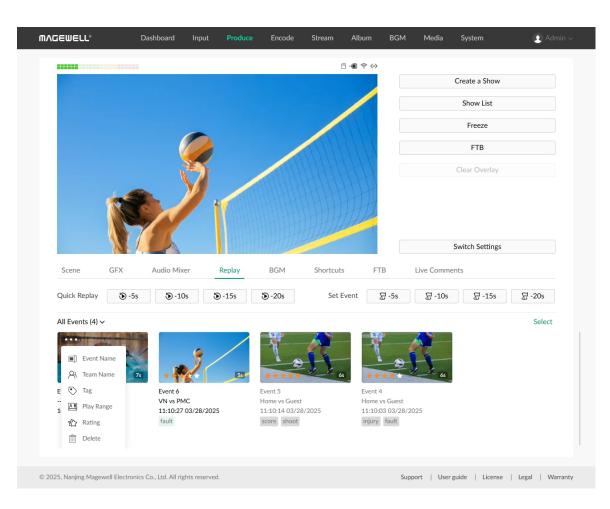




Show Live Comment

You can view live comments when streaming to YouTube, Twitch or Facebook, and select one comment as an overlay inside the video feed.

- Click the **Live Comments** tab on the **Produce** page. 1.
- Toggle on the switch to receive live comments, including profile pictures 2. with the platform logo, accounts and comments.
- Scroll up to view earlier comments, and scroll down to view the most 3. current comments.
- Send one comment as an overlay by double clicking or through the 4. following way.
 - Move the cursor over one comment, and click \bigotimes . i.
 - ii. Click the arrows to select an overlay style.
 - (Optional) Check Auto Clear, and drag the slider to set the duration iii. after which the overlay automatically disappears, ranging from 2s to 300s.
 - iv. Click **Send** to send the current comment as an overlay to the Program view.
- Click the displaying comment to clear. 5. You can also click **Clear Overlay** to clear all the GFX overlays as well as the comment overlay.



Replay

Replay allows you capture some of the greatest moments, slow down the action and save your highlights.

Please enable the Replay function on the device, the "Replay" tab will appear in the Produce page. Click the "Replay" tab to start.

Quick Replay

Quick Replay allows you to review the recent live content. Click 🕑 -5s / -10s / -15s / -20s to replay the live content from 5 / 10 / 15 / 20 seconds ago.

If you have enabled two replay cameras, on the popup window, you can select a replay mode to decide the replay layout and order.

Event Replay

You can also save events during live program, and replay the events later.

Set Event

You can set events through the following ways.

- Double-click at the preview area to set an event. •
 - If you have set **Duration of event replay** to a specific duration on the device, it will directly save the event.
 - If you have set **Duration of event replay** to "Ask me when setting" on the device, select the duration in the popup window, and then it save the event.
- Click 🔄 -5s / -10s/ -15s / -20s to quickly save an event backtracked 5 / 10 / 15 / 20 seconds.

Manage and Replay Event

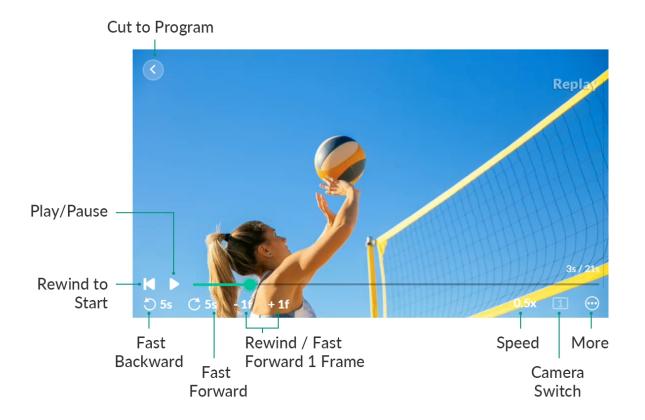
Events are listed at the bottom of relay page, and all the event files are saved into the Album, you can click the Album tab to view.

- 1. Move the cursor over a thumbnail, and click **____** and then click the following items to manage the event.
 - Event Name: Enter or change the name of an event for easy identification and management.
 - **Team Name**: Enter or change the names of teams related to the event, clarifying the participating parties.
 - Tag: Click Add Tag to add descriptive tags, which help to quickly mark key information. Then, you can select up to three tags for the event.
 - Play Range: Drag the A or B slider to precisely set the start and end points of the event video to focus on important segments.
 - Rating: Rate the event with stars to intuitively reflect the importance or excitement level of the event.
 - Delete: Remove the unnecessary event and its associated information.
- 2. Click the arrow icon on the left to expand the filter page, and then tap one condition to filter events.
 - All events: It lists all the events.
 - Time: You can filter events of "Previous one hour", "Today", as well as "Today and yesterday".
 - Tag: You can filter events per different tag.
- 3. Replay single event:
 - i. Click the event thumbnail to bring out the preview window.

- ii. Click the play button to preview the event.
- iii. Click the **Replay** button to start replaying this event.

If you have enabled two replay cameras, on the popup window, you can select a replay mode to determine the replay layout and sequence.

- 4. Replay multiple events:
 - i. Click **Select** at the upper right corner of events area.
 - ii. Select events you needed, or click Select All.
 - iii. Click **Replay** at the upper right corner of events area.
 - iv. Select replay action.
 - Replay once: It only replays once and then go back to the program view.
 - Loop replay: It replays repeatedly until you exist manually.
 - Loop replay for x min: Set a time for loop replay duration.
 - v. Click **Replay** to start replaying all the selected events.
- 5. To delete multiple events, click **Select** at the upper right corner of events area, select the events you needed, or click **Select All**, then click **Delete**.



Control Replay

At the preview area, you can control the replay.

- Drag the playhead of progress bar to adjust the progress.
- Click to rewind to the start. •
- Click \blacktriangleright or \blacksquare to play or pause the replay. •
- Zoom in the image: •
 - Double-click one position at the preview area to zoom in the image to 1. 2x.
 - Scroll the mouse wheel to zoom in or out. The zoom range is 1x to 8x. 2.
 - Drag the preview area to change the displayed area. 3.
 - 4. To exit, double-click the preview area again or zoom out to 1x.
- Click \mathfrak{O} or \mathfrak{C} to fast backward or forward at a faster pace, such as 5s, • which is set on the device.
- Click 1f to rewind one frame, or click + 1f to fast forward one frame. And the replay will be paused at the same time.
- Click the speed button to change the playback rate. Options include 0.1x, 0.25x, 0.33x, 0.5x, 0.75x, and 1.0x (default).
- Click the camera switch button to switch the replay content.
 - **1** : Camera 1 •
 - **2** : Camera 2
 - **1**2 : Camera 1 and 2 in side-by-side layout .
 - **21** : Camera 2 and 1 in side-by-side layout .

- Click for more features.
 - **Save event**: save the content of quick replay to the Album.
 - Mute/Unmute sound: click to mute or unmute the sound of replay.
- Click () to cut back to program view.

Or, as the relay image is added to the scene list as a temporary scene, you can exit the replay mode by switch scenes.

Set Encode

Each show has two encoders for selection when you configure stream servers and record parameters. You can customize encoding parameters and select encoding source for Encode 1 and Encode 2.

MAGEWELL® Dashbo	ard Input Pro	oduce <mark>Encode</mark>	Stream	Album BC	GM Med	a System	👤 Admin 🗸
ENCODE 1 Configure parameters for Encode	Progra 1.	m, H.264, 1080p, 60 fps	, 6 Mbps				•
		Add Encod	le Scheme		×		
	Video Source:	Program			~		
	Codec:	H.264			~		
	Resolution:	1080p			~		
	Frame Rate:	60 fps			~		
	Video Bitrate:	6000			Kbps		
ENCODE 2	Audio Source:	HDMI 1			~		
Configure parameters for Encoc	Audio Bitrate:	128			~		
	Key Frame Interval:	-	1s		+		
	Encode Level: Bitrate Mode:	High VBR			~		
	bitate mode.	VBR			~		
		Save	Cancel				0
	+ Add						
© 2024, Nanjing Magewell Electronics Co., Ltd.	All rights reserved.				Support U	ser guide License	Legal Warranty

- 1. On the **Encode** page, click **Add** in ENCODE 1 or ENCODE 2 area.
- 2. Customize the encode scheme with the following parameters:
 - Video source: Program, HDMI 1, HDMI 2, Webcam 1, Webcam 2, Multi-view.
 - Codec: H.264, H.265
 - Resolution: 1080p, 720p, 540p.
 - Frame rate: options change along with the frame rate of the show, which can be 60/59.94/50/30/29.97/25/24/23.98/15 fps.
 - Video bitrate: enter a custom value.
 - Audio source: Program, HDMI 1, HDMI 2, MIC, available USB MIC, and None
 - Audio bitrate: 64, 96, 128.
 - Key frame interval: click + or to set
 - Encode level: Baseline, Main, High
 - Bitrate mode: VBR, CBR
- 3. Click Save.
- 4. Click one encode scheme from system options or custom options. System options use Program as the default encoding source.

- 5. To edit a scheme, hover the cursor over a scheme and then click 2 to enter the edit page.
- 6. To delete a scheme, hover the cursor over a scheme and then click \square .

Control Streaming

On the **Stream** page of the Web UI, you can configure stream servers and start or stop streaming at any time.

MV@EMELT₀	Dashboard	Input	Produce	Encode	Stream	Album	BGM	Media	System	. Admir	1 V
STREAM You can configure str servers and start or s streaming at any time	top	C	Name YouTube		Status Not confij	gured				Log in	
		Ç	Name Twitch		Status Not confi	gured				Log in	
		G	Name Facebook	Live	Status Not confij	gured				Log in	
		ND	Name NDI		Status Not confi	gured				Configure	
		G	Name RTMP		Status Not confi	gured				Configure	
		S	Name SRT Caller	r	Status Not confij	gured				Configure	
		S	Name SRT Lister	ner	Status Not confi	gured				Configure	
		+	Add Server								
© 2025, Nanjing Magewell Electro	onics Co., Ltd. All rigl	hts reserved.					Supp	ort User g	guide Licens	ie Legal Warra	nty

Configure Stream Servers

- 1. Click **Log in** or **Configure** behind the server name to start configuring server parameters. Please refer to the following contents.
 - Configure YouTube Server
 - Configure Twitch Server
 - Configure Facebook Live Server
 - Configure NDI[®] Server
 - Configure RTMP Server
 - Configure SRT Caller
 - Configure SRT Listener
 - Configure RTSP Server
- 2. Click Add Server to add more servers.
- 3. To edit a server, move the cursor to the server, and click *l* to enter the edit page. After you change the settings, click Save. If you click Cancel, all the changes will be discarded.
- 4. To delete a server, move the cursor to the server, and click $\overline{\boxed{100}}$.

MAGEWELL® Dashboar	rd Input F	Produce	Encode	Stream	Album	BGM	Media	System	() Admir
STREAM You can configure stream servers and start or stop streaming at any time.	٠	Name YouTube		Status Not config	ured				Log in
	Edit YouTube	YouTube					×		Log in
	Encode: Ingestion Protoco		(Program, H	1.264, 1080	p, 60 fps, 6	Mbps)	~		Log in
	Authentication:	Log							Configure
	Post To:	Primary s	server (rtmp)						Connect
	Quick Stream: Network:	Default					~		
	Test 🞯	Sav	70	Cance					Connect
		Jav		Cance					

Configure YouTube Server

On the Stream page, click **Log in** behind YouTube, and then start to configure.

- Name: enter a new name. •
- Encode: select an encode scheme. Encoding parameters can be customized • on the Encode page.
- Ingestion Protocol: select RTMP or HLS. •
- Authentication: click Log In, and then follow the instructions to log into • your account.

Your username and profile image will be displayed after login. Your nickname, user avatar images and authorization token will be stored encrypted in the Director device after a successful authorization. When you delete the YouTube server or remove the Director device from trusted apps from your Google account's security setting, we will follow the policies of Google to clear saved data in 0 to 24 hours.

If you have not enabled live streaming for your YouTube account, your YouTube login will fail. Also note that you need to have live streaming enabled 24 hours before starting streaming. For details, see Why can't I log in to my YouTube account.

- Ingest Server: You can select Primary server (rtmp), Primary server (rtmps), • Backup server (rtmp), or Backup server (rtmps).
- **Post To**: select a channel, event, or **New stream**. • If you select New stream, you need to set Title (mandatory), Description, and **Privacy**.
 - **Privacy** options are:

- **Public**: The stream is visible to all people.
- **Private**: The stream is visible only to you and people selected by you.
- **Unlisted**: The stream is visible only through a link.
- Quick Stream: optional. When it is enabled, you can start streaming quickly • on the device screen.
- **Network**: You can set the network priority for streaming. Options include:
 - Default: The system's default network priority, that is Ethernet > WLAN > Cellular.
 - Cellular First
 - WLAN First
 - Ethernet First
- **Test**: click to test whether the previous configurations are working properly.

After configuration, the "Status" area of the YouTube server will display your account information.

	rd Input Pr	roduce Encode	Stream Al	bum BGM	Media	System	💽 Admin 🗸
STREAM You can configure stream servers and start or stop streaming at any time.	٠	Name YouTube	Status Not configured				Log in
		Name	Status dit Twitch		×		Log in
	Name: Encode:	Twitch Encode 1 (Prog	ram, H.264, 1080p, 6	60 fps, 6 Mbps)			Log in
	Authentication: Ingest Server:	Log In			~	C	onfigure
	Quick Stream: Network:	Default			~	C	onfigure
	Test 🕜	Save	Cancel			C	onfigure
	5	Name SRT Listener	Status Not configured			C	onfigure
	+ Add	l Server					
© 2025, Nanjing Magewell Electronics Co., Ltd.	All rights reserved.			Suppo	rt User	guide License	Legal Warranty

Configure Twitch Server

On the Stream page, click Log in behind Twitch, and then start to configure. After everything is OK, save your configuration.

- Name: enter a new name.
- **Encode**: select an encode scheme. Encoding parameters can be customized • on the Encode page.
- Authentication: click Log In and then follow the instructions to log into your account.
- **Ingest Server**: The system lists available servers. You can select a nearby • server for an optimal network path.
- Quick Stream: optional. When it is enabled, you can start streaming quickly • on the device screen.
- **Network**: You can set the network priority for streaming. Options include: •
 - Default: The system's default network priority, that is Ethernet > WLAN > Cellular.
 - Cellular First
 - WLAN First
 - Ethernet First
- **Test**: click to test whether the previous configurations are working properly.

After configuration, the "Status" area of the Twitch server will display your account information.

Nat	t Facebook	Name r⁄ouTube	Status Not configured		Log in	
Nat						
End	inc.	Facebook Live		×	Log in	
Aut	code: thentication:	Encode 1 (Program,	H.264, 1080p, 60 fps, 6 Mbj	os) ~	Log in	
	est Server: st To:			~	Configure	
Titl	e: scription:				Connect	
	ick Stream: twork:	Default		~	Connect	
Tes	it 🕝	Save	Cancel			

Configure Facebook Live Server

On the Stream page, click Log in behind Facebook Live , and then start to configure. After everything is OK, save your configuration.

- Name: enter a new name.
- **Encode**: select an encode scheme. Encoding parameters can be customized • on the Encode page.
- Authentication: click Log In and then follow the instructions to log into your • account.

Your username and profile image will be displayed after login. Your nickname, user avatar images and authorization token will be stored encrypted in the Director device after a successful authorization. To delete your information, you can delete the created server or you can remove the Director device from trusted apps from Facebook. Your personal data will be deleted upon request in 0 to 24 hours. After you log in successfully, the system automatically selects a ingest server for you, which you cannot change.

- **Post To**: select Timeline or a Page as the streaming destination.
- **Title**: set the title of the video stream (optional).
- **Description**: set the description of the video stream (optional). •
- Quick Stream: optional. When it is enabled, you can start streaming quickly on the device screen.
- **Network**: You can set the network priority for streaming. Options include: •
 - Default: The system's default network priority, that is Ethernet > WLAN > Cellular.
 - Cellular First

	Dashboard	Input	Produce	Encode	Stream	Album	BGM	Me
STREAM								
You can configu and start or stop	re stream servers o streaming at		Name		Status			
any time.				Add	NDI			×
	Al	ias:	NDI(2)					
	So	ource Name:	1-30 c					
	G	roup Name:	public					
	Vi	deo Source:	Progra	m				~
	A	udio Source:	Progra	m				~
	Pr	ogram Stream	n:		H.264	l, 1080p, 60	fps, 62 Mbr	ps >
	Pr	eview Stream	1:			360p, 3	0 fps, 3 Mbp	ps >
	Tr	ansport Mode	e: TCP (L	Jni-connectio	on)			~
	D	iscovery Serv	er:					
	Fa	ilover:						
	Те	est 🕜						

© 2024, Nanjing Magewell Electronics Co., Ltd. All rights rese

- WLAN First
- Ethernet First
- **Test**: click to test whether the previous configurations are working properly.

After configuration, the "Status" area of the Facebook Live server will display your account information.

Configure NDI Server

1 A

Log in

Log in

Log in

Connect

Connect

port | User guide | License | Legal | Warranty

On the Stream page, click **Configure** behind NDI, and then start to configure. After everything is OK, save your configuration.

- Alias: enter an alias name for your convenience of multi-item management.
- Source Name: enter a name, which is the name of the output NDI stream • for the receiver to recognize. It supports 1-30 characters, which contain A-Z, a-z, 0-9 and _-#()%.
- **Group Name**: enter a name to specify the client group receiving the NDI • stream. It supports 1-64 characters, contain A-Z, a-z, 0-9 and _-,. Multiple group names can be comma-separated. The default group name is public. If you do not want other devices on the network to be able to search for it at will, you can set a private group name, and other devices need to use the private group name to search for this device.
- Video Source: select the source to encode. Options include Program, HDMI . 1, HDMI 2, Webcam 1, Webcam 2 and Multi-View.
- Audio source: Program, HDMI 1, HDMI 2, MIC, available USB MIC, and • None
- **Program Stream**: set the following parameters.

- **Codec**: Options include H.264 and H.265. •
- **Resolution**: Options include 640x360, 960x540, 1280x720, and • 1920x1080.
- **FPS**: Options change along with the frame rate of the show, which can be 60/59.94/50/30/29.97/25/24/23.98/15 fps.
- Bitrate: It automatically changes according to resolution and FPS options. •
- **Profile**: Options include Baseline Profile, Main Profile, and High Profile.
- **Bitrate Mode**: It is fixed at CBR.
- **Preview Stream**: set the following parameters. •
 - **Resolution**: It is fixed at 640x360. •
 - **FPS**: It changes along with the frame rate of the show.
 - Bitrate: It automatically changes according to the settings of Program • Stream.
 - **Profile**: Options include Baseline Profile, Main Profile, and High Profile. •
 - **Bitrate Mode**: It is fixed at CBR. •
- **Transport Mode**: select a mode and set parameters if needed.
 - **UDP (Unicast)**: The device sends a UDP stream directly to the receiver. It is used where lower latency matters. And multiple simultaneous streams will work independently for multiple receivers.
 - **UDP** (Multicast): The device sends the UDP stream to a multicast group. • It is used for one-to-many broadcast for lower CPU usage. Parameters in a multicast configuration include:
 - Multicast IP: IP ranges from 224.0.0.0 to 239.255.255.255.
 - Subnet Mask: The legitimate value ranges from 255.0.0.0 to

255.255.255.252.

- **Time to live**: It ranges from 1 to 255. The default value is 4.
- **RUDP (Unicast)**: Reliable User Datagram Protocol, is a connectionoriented and unicast protocol. RUDP helps to maintain the flow control and reliability of data transfer. The transmission control algorithms on both sending and receiving sides guarantee the RUDP capable of recovering from data loss, duplication, delay and reordering.
- TCP (Uni-Connection): It indicates to establish single TCP connection between the device and the receiver, and transfer all A/V packets via one port. Compared with UDP (Unicast) or TCP (Multi-Connection), it has lower CPU usage. It is used where reliable data transfer matters, which makes it suitable for 4K NDI streams.
- TCP (Multi-Connection): It indicates to establish multiple TCP connections between the device and receivers, but transfer audio packet and video packet via different ports. It usually works in a complicated networking studio. It is used where reliable transmission of data matters, which makes it suitable for 4K NDI streams.
- **Discovery Server**: optional. When it is enabled, the device can only be received by the specified receiver, and the mDNS auto-discovery function is unavailable.
 - Ensure that the receiver and device can ping each other. 1. This function works between device and receiver that can ping each other even from differential network segment. After setting, the output stream of your device can be received by specified server.
 - Specify the Server IP to the IP address of the discovery server. 2.
 - Set a same IP address of the discovery server on the NDI stream 3.

receiver.

For example, launch the **NDI Access Manager** tool installed in the receive computer, enter the Advanced tab, uncheck Multicast Sending Enabled, and check Use Discovery Server, and then specify Server IP to the IP address of the receiver server running discovery service function.

Note: The Server IP of NDI Access Manager and Director device should be the same.

- Failover: optional. When it is enabled, it can protect your NDI transmission from failure. If the source video fails, the backup device begins to provide a service. The initial source will be restored after it recovers.
 - Source name shows the backup NDI channel name. Click Change and select the failover (backup) video device within the same NDI group as the initial source.
 - **IP address** shows the IP Address of the backup NDI channel, which is automatically obtained after you select the backup NDI source.
- **Test**: click to test whether the previous configurations are working properly.

After configuration, the "Status" area of the NDI server will display the configured Source Name.

MVQEMELT.

MAGEWELL® Dash	board Input I	Produce Encod	le Stream	Album	BGM	Media	System	(Admin •
STREAM You can configure stream serve and start or stop streaming at any time.	ers	Name YouTube	Status Not confi	gured				Log in
	Edit RTMP					×		Log in
	Name: Encode:	RTMP Server Encode 1 (Prog	gram, H.264, 108	0p, 60 fps, 6 l	Mbps)			Log in
	URL Stream Key:	rtmp:// v 10	0.0.1.32/live					Configure
	Authentication:							
	Quick Stream: Network:	Default				~		Connect
	Test 🕜	Save	Canc	el				Connect
	+ Ad	ld Server		_				

Configure RTMP Server

On the Stream page, click **Configure** behind **RTMP** Server, and then start to configure. After everything is OK, save your configuration.

- **Name**: enter an alias name for your convenience of multi-item management.
- **Encode**: select an encode scheme. Encoding parameters can be customized • on the Encode page.
- URL: select "rtmp://" for RTMP streaming or "rtmps://" for RTMPS streaming, and then enter the URL of the stream destination. You can also paste a URL directly, it will automatically recognize the protocol.
- **Stream Key**: enter the key got from the stream destination. •
- Authentication: if required, enter your Username and Password at the third-party live streaming platform.
- Quick Stream: optional. When it is enabled, you can start streaming quickly on the device screen.
- **Network**: You can set the network priority for streaming. Options include:
 - Default: The system's default network priority, that is Ethernet > WLAN > Cellular.
 - Cellular First
 - WLAN First
 - Ethernet First
- **Test**: click to test whether the previous configurations are working properly.

After configuration, the "Status" area of the RTMP server will display the configured URL.

MAGEWELL® Dashboar	d Input	Produce	Encode	Stream	Album	BGM	Media	System	. Internet Admin ∨
STREAM You can configure stream		Name		Status	·				Log in
servers and start or stop streaming at any time.		YouTube	Edit C	Not confi RT Caller	gured		×		
	Name:	SRT	Caller	KT Caller					Log in
	Encode: Address:	Enco	ode 1 (Progra 0.1.1	n, H.264, 10	80p, 60 fps,	6 Mbps)	~		Log in
	Port:	123							
	Stream ID: Latency:	111					ms		Configure
	Encryption: Quick Stream:								Configure
	Network: Test 🞯	Defa	ault				~		Configure
			Save	Can	cel				Connect
	+ A	dd Server							
© 2025, Nanjing Magewell Electronics Co., Ltd. /	All rights reserved.					Supp	ort Use	erguide Licer	nse Legal Warranty

Configure SRT Caller

On the Stream page, click **Configure** behind SRT Caller, and then start to configure. After everything is OK, save your configuration.

- **Name**: enter an alias name for your convenience of multi-item management.
- Encode: select an encode scheme. Encoding parameters can be customized • on the Encode page.
- Address: enter the address of receiver.
- **Port**: enter the port number of receiver. Value ranges from 1 to 65535.
- Stream ID: enter a custom ID, which can contain 0-256 characters.
- Latency: enter a number between 20 to 8000. The default value is 120ms. We recommend that the latency is configured the same as that of the receiver.
- **Encryption**: optional. You can select an encryption algorithm, which can be • AES 128, AES 192 or AES 256. And enter the Password, which can contain 10 to 79 characters.
- Quick Stream: optional. When it is enabled, you can start streaming quickly • on the device screen.
- **Network**: You can set the network priority for streaming. Options include:
 - Default: The system's default network priority, that is Ethernet > WLAN > Cellular.
 - Cellular First
 - WLAN First
 - Ethernet First
- **Test**: click to test whether the previous configurations are working properly.

MV@EMELT.	Dashboard	Input	Produce	Encode	Stream	Album	BGM	Media	System	👤 Admin 🗸
STREAM You can configure stre servers and start or str streaming at any time.	op	P	Name YouTube		Status Not confi	gured				Log in
	N	ame:	SPTI	Edit SR	T Listener			×		Log in
		ncode:			n, H.264, 10	30p, 60 fps, 6	6 Mbps)	~		Log in
		ort: atency:	80 120					ms		205 11
		ncryption: uick Stream								Configure
		est 🕝								Configure
			10.56.185:80 1.168.67.227:							Configure
			SK I Lister	Save	Can Not config					Configure
		+	Add Server							
© 2025, Nanjing Magewell Electror	nics Co., Ltd. All rig	hts reserved.					Supp	oort Use	rguide Licer	ise Legal Warranty

After configuration, the "Status" area of the SRT Caller will display the configured address and port, for example, 10.10.1.10:80.

Configure SRT Listener

On the Stream page, click **Configure** behind **SRT** Listener, and then start to configure. After everything is OK, save your configuration.

- **Name**: enter an alias name for your convenience of multi-item management.
- Encode: select an encode scheme. Encoding parameters can be customized on the Encode page.
- **Port**: enter the port number. Value ranges from 1 to 65535.
- Latency: enter a number between 20 to 8000. The default value is 120ms. • We recommend that you set the same latency for SRT caller and listener.
- **Encryption**: optional. You can select an encryption algorithm, which can be AES 128, AES 192 or AES 256. And enter the Password, which can contain 10 to 79 characters.
- Quick Stream: optional. When it is enabled, you can start streaming quickly on the device screen.
- **Test**: click to test whether the previous configurations are working properly.
- The play URL is displayed at the end of the page. If you have multiple network connections, there would be multiple ones. You can click \Box to copy the URL.

After configuration, the "Status" area of the SRT Listener will display the URL, in which 0.0.0.0 indicates that it uses the local IP, and the service can be accessed by other devices through the network.

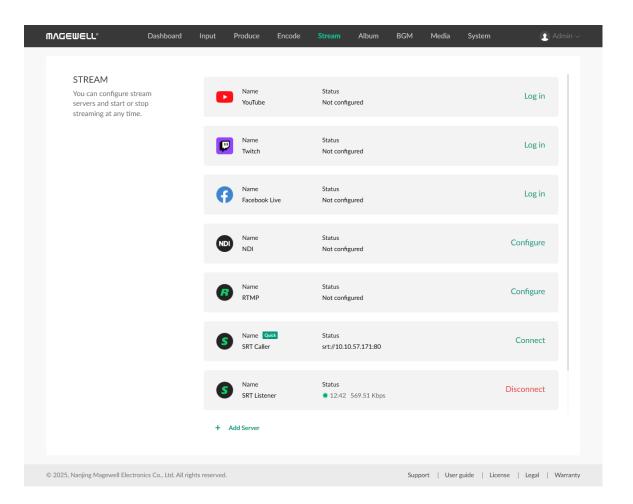
MAGEWELL* Das	shboard Input	Produce	Encode	Stream	Album	BGM	Media	System	() Admin ~
STREAM You can configure stream servers and start or stop	œ	Name Twitch		Status Not confi	gured				Log in
streaming at any time.	Name:	RTSP		t RTSP			×		Log in
	Encode: Port:	554	de 1 (Progran	m, H.264, 10	80p, 60 fps, 6	6 Mbps)	~ 		Configure
	Stream ID: Authenticatio								Configure
	Test 🞯).10.56.185:5	54/123 🗈						Configure
		92.168.67.22	7:554/123 Save	Can	col				Configure
		кір	Save	Not confi			1		Configure
	+	Add Server							
© 2025, Nanjing Magewell Electronics Co	o., Ltd. All rights reserved.					Suppo	ort Use	r guide Lice	nse Legal Warranty

Configure RTSP Server

On the Stream page, click **Configure** behind RTSP, and then start to configure. After everything is OK, save your configuration.

- **Name**: enter an alias name for your convenience of multi-item management.
- Encode: select an encode scheme. Encoding parameters can be customized • on the Encode page.
- **Port**: enter the port number. Value ranges from 1 to 65535.
- **Stream ID**: enter a custom ID, which can contain 0-256 characters. •
- Encryption: optional. Toggle it on if your live streaming service provider requires. Type your user name and password for the streaming service.
- Quick Stream: optional. When it is enabled, you can start streaming quickly • on the device screen.
- **Test**: click to test whether the previous configurations are working properly.
- The stream URL is displayed at the end of the page. If you have multiple network connections, there would be multiple ones. You can click \Box to copy the URL.

After configuration, the "Status" area of the RTSP server will display the URL, in which 0.0.0.0 indicates that it uses the local IP, and the service can be accessed by other devices through the network.



Start Streaming

You can simultaneously stream to two destinations at most.

Click **Connect** next to a configured server to start streaming to this server. 1. Under the server name, it displays streaming duration and real-time streaming rate.

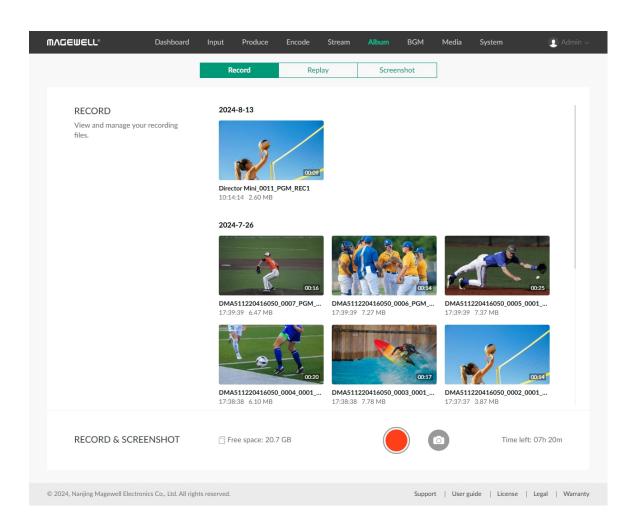
> For YouTube streaming, if you create a new stream to post to, it enables Auto-start by default. When you start streaming to this channel, you can edit the title and description, and then it goes live at once on YouTube. If you need to preview the stream at first, you may refer to How to start a stream scheduled later for YouTube.

- (Optional) Click Connect next to another configured server to stream to 2. this server simultaneously.
- Click **Disconnect** of a working server to stop streaming to the server. 3.

For YouTube streaming, if you have enabled Auto-stop in your studio, the stream ends live at once. If not, you need to select to end live or pause streaming but keep live.

View Album and Control Recording

On the Album page of the Web UI, you can manage recording, replay event and screenshot files, control recording, and take screenshots.



- Click Record, Replay and Screenshot tab to view your recordings, replay events and screenshots.
- Click video clips or pictures to preview. •

For the H.265 video file, some web browsers may not support to preview. You can upgrade the browser and try again.

- Move the cursor over a thumbnail, click on and then click Download to download the file to your computer, or click **Delete** to delete the file.
- In the **RECORD & SCREENSHOT** area on the "Record" page: •
 - View current save path (🛄 indicates the SD card, and શ indicates the internal storage), free space and time left for recording.
 - Click \bigcirc to start recording, and click \bigcirc to stop recording. •
 - Click I to take screenshots of the program output.

When the recording time is less than 1s, the recording file will not be saved.

When the remaining free space is insufficient, the device will stop recording automatically.

ISO recording does not support NDI High Bandwidth source.

Global BGM

Click the **BGM** tab on the top bar, and then you can add and play global background music. The global BGM will be overridden by a scene's private BGM.

	ut Produce Encode Stream Album	BGM Media System (2) Admin ~
	Produce Encode Stream Album Image: Produce Image: Produce Music 01 Image: Produce Image: Produce Image: Produce Image: Produce Image: Produce Ima	BGM Media System ▲ Admin ∨ 00:00 / 00:31 00:00 / 00:31 00:00 / 00:31 1 ↓< ● 01:11 00:41 04:10 03:13
	5 songs	+ Add
© 2024, Nanjing Magewell Electronics Co., Ltd. All rights reser	ved.	Support User guide License Legal Warranty

Add BGM

- 1. Click the **+ Add** button.
- 2. Click + Upload at the lower right corner to import local audio files to media.

Supported formats are MP3, M4A, WAV files.

3. In the **Media** list, click an item to add it as global BGM.

Rearrange BGM

- 1. Hover your mouse over a BGM item.
- 2. Click 1 to move upward or click to move downward.

Delete BGM

- 1. Hover your mouse over a BGM item.
- 2. Click (III), and click **Delete** on the popup dialog box.

Play BGM

1. Click the song name to switch.

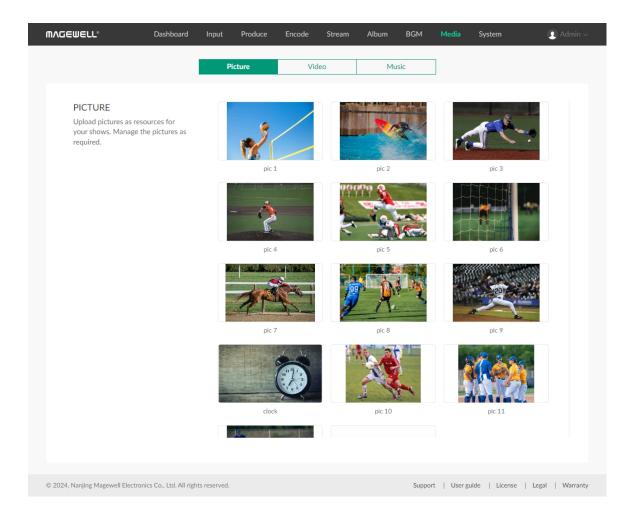
- 2. Click buttons on the playback bar to control the BGM.
 - Click **b** to play or **u** to pause.
 - Click to play the previous song or to play the next song.
 - Drag the playhead to a specified position.
 - Set the loop policy:
 - C: Repeat the playlist
 - 💭 : Repeat the song
 - X: Shuffle the playlist

Tips for using global and private BGM:

- 1. The global BGM needs to be started manually.
- 2. When you switch to a scene with private BGM, the global BGM will be paused. And the private BGM can be started manually or automatically, which can be set in the scene editor on the device. When you switch to a scene without private BGM, the global BGM resumes to play.
- 3. If you have paused the global BGM manually, you need to resume it manually after you switch scenes.

Manage Media Files

On the Media page of the Web UI, you can upload pictures, video clips and music files as resources for your shows, and you can manage these files.



Manage Pictures

Import Pictures

- In the navigation bar at the upper part of the Web UI, click the Media tab. 1.
- Click the **Picture** tab at the upper part of the page. 2.
- 3. On the **Picture** tab page, click the **+ Upload** button, and import a picture from the local computer.

Supported formats are JPEG, PNG, BMP image files. The resource will be imported to the Director device.

Preview Pictures

- In the navigation bar at the upper part of the Web UI, click the Media tab. 1.
- Click the **Picture** tab at the upper part of the page. 2.
- On the **Picture** tab page, click a thumbnail to preview the picture. 3.
- On the preview page, click the left and right arrows to switch pictures. 4.

Rename Pictures

- In the navigation bar at the upper part of the Web UI, click the **Media** tab. 1.
- Click the **Picture** tab at the upper part of the page. 2.
- On the **Picture** tab page, move the mouse over a thumbnail, click the 3.

icon, and click **Rename**.

4. Enter a new name (1-32 characters) and click **Rename**.

Download Pictures

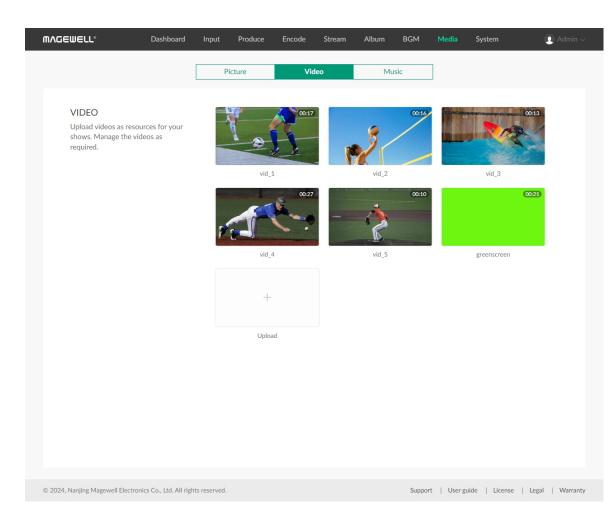
- 1. In the navigation bar at the upper part of the Web UI, click the **Media** tab.
- 2. Click the **Picture** tab at the upper part of the page.
- 3. On the **Picture** tab page, move the mouse to a thumbnail, click the icon, and click **Download**.

The picture will be downloaded to the local computer.

Delete Pictures

- 1. In the navigation bar at the upper part of the Web UI, click the **Media** tab.
- 2. Click the **Picture** tab at the upper part of the page.
- 3. On the **Picture** tab page, move the mouse to a thumbnail, click the icon, and click **Delete**.
- 4. On the displayed dialog box, click **Delete**. The picture will be removed from the Director device.

The resource used by any shows cannot be deleted.



Manage Video Clips

Import Video Clips

- In the navigation bar at the upper part of the Web UI, click the Media tab. 1.
- Click the **Video** tab at the upper part of the page. 2.
- On the **Video** tab page, click the **+ Upload** button, and import a video from 3. the local computer.

Supported formats are MOV, MP4, MKV, WebM video files. If you upload a MOV file in ProRes 4444 format, it will be automatically converted to the WebM format to enhance performance. The resource will be imported to the Director device.

Preview Video Clips

- In the navigation bar at the upper part of the Web UI, click the Media tab. 1.
- 2. Click the **Video** tab at the upper part of the page.
- 3. On the **Video** tab page, click a thumbnail to preview the video.
- On the preview page, click the left and right arrows to switch pictures. 4.
- 5. Move the mouse over the video, and a playback control bar will appear at the bottom. You can play/pause the video, drag the playback progress bar, and adjust the volume.

Rename Video Clips

1. In the navigation bar at the upper part of the Web UI, click the **Media** tab.

- 2. Click the **Video** tab at the upper part of the page.
- 3. On the **Video** tab page, move the mouse to a thumbnail, click the icon, and click Rename.
- 4. Enter a new name (1-32 characters) and click Rename.

Download Video Clips

- 1. In the navigation bar at the upper part of the Web UI, click the **Media** tab.
- 2. Click the **Video** tab at the upper part of the page.
- On the **Video** tab page, move the mouse to a thumbnail, click the 3. icon, and click **Download**. The video will be downloaded to the local computer.

Delete Video Clips

- 1. In the navigation bar at the upper part of the Web UI, click the **Media** tab.
- 2. Click the **Video** tab at the upper part of the page.
- 3. On the **Video** tab page, move the mouse to a thumbnail, click the icon, and click Delete.
- 4. On the displayed dialog box, click **Delete**. The video will be removed from the Director device.

The resource used any shows cannot be deleted.

MV@EMELT.	Dashboard	Input Produ	ce Encode	Stream	Album	BGM	Media	System
		Picture	V	ideo	Mu	sic		
MUSIC Upload background mu engaging audio effects shows.			Music 01.m4a Music 02.m4a Music 03.m4a Music 04.mp3					
			Music 05.mp3					

5 songs	+ Upload

Manage Music

👤 Ad

00:31

01:11

00:41

04:10

03:13

Import Music

- 1. In the navigation bar at the upper part of the Web UI, click the **Media** tab.
- Click the **Music** tab at the upper part of the page. 2.
- 3. On the **Music** tab page, click the **+ Upload** button at the lower right part of the page, and import music from the local computer. Supported formats are MP3, M4A, WAV files. The resource will be imported to the Director device.

Preview Music

- In the navigation bar at the upper part of the Web UI, click the **Media** tab. 1.
- 2. Click the **Music** tab at the upper part of the page.
- 3. On the **Music** tab page, click any music to preview.

Download Music

- In the navigation bar at the upper part of the Web UI, click the **Media** tab. 1.
- Click the **Music** tab at the upper part of the page. 2.
- On the **Music** tab page, move the mouse over an item and click \downarrow to 3. download.

The music will be downloaded to the local computer.

© 2024, Nanjing

Delete Music

- 1. In the navigation bar at the upper part of the Web UI, click the **Media** tab.
- 2. Click the **Music** tab at the upper part of the page.
- 3. On the **Music** tab page, move the mouse over an item and click the delete button 🛄 on the right.
- 4. On the displayed dialog box, click **Delete**. The music will be removed from the Director device.

The resource used any shows cannot be deleted.

System Settings

ΜΛ ΔΕΨΕΓΓ _°	Dashboard		Encode Stream	Album BGM	Media System	👤 Admin 🗸
General	Network	C Control Hub	Security	Firmware	L). User	Logs
DEVICE		Device name	DMA511220416050			Apply
DATE & TIME		Current time Time zone	2024-02-04 14:14:31 (UTC+08:00) Beijing, S Time zone change will take effec	ihanghai, Hong Kong, Ta t only after device reboot.	ipei	~ Apply
		Set Time Automat Date Time				
						Apply

Set Device Name

The device name is the **Device name** parameter displayed on the **Dashboard** page, and the device name shown in network discovery as well as in Director Utility App.

- 1. Log in to the Web UI as the Admin user.
- 2. Choose **System** > **General**.
- 3. In the **DEVICE** area, set **Device name**. By default, it is the serial number. The device name can consist of 1-32 characters. Supported characters: A-Z, a-z, 0-9, spaces and _-. Spaces cannot be at the start or end.
- 4. Click **Apply**.
- 5. Click **Dashboard** in the navigation bar. Check whether **Device name** is changed to the new name.

The device name displayed in network discovery and in Director Utility App will also change accordingly.

MV@EMELT₀	Dashboard Inpu	t Produce	Encode	Stream Album	BGM Media	System
(©) General	Network	C Control		Firmware	L) User	Logs
DEVICE	1	Device name	DMA5112	20416050		
DATE & TIME		Time zone		14:39:18 XO) Beijing, Shanghai, Hq ge will take effect only after dev		✓
	:	Set Time Automatio NTP server 1 NTP server 2	ntp1.ali	yun.com		
						Apply

Set System Time

Director device uses the system time for time-stamping the A/V input as well as logging and naming files.

Before using this device, you need to select your time zone and adjust time to ensure time accuracy.

Select Time Zone

- 1. Log in to the Web UI as the Admin user.
- Choose **System** > **General**. 2.
- (Optional) In the DATE & TIME area, view Current time. 3.
- 4. In the DATE & TIME area, select a time zone from the Time zone dropdown list box.
- 5. Click Apply.
- 6. On the displayed dialog box, click **Reboot**. The device will reboot. If you click Later, your configuration change will not apply until after next reboot.

Set Time Automatically

You can automatically synchronize time from the network. By default, the Director device automatically synchronizes time from NTP servers. Network Time Protocol (NTP) servers provide network-based time synchronization service.

There are many NTP servers available on the Internet. You may also deploy your own ones. Director device uses the NTP1 servers provided by ntp1.aliyun.com by default. You can change these NTP servers as needed. For

example, you may change to nearer servers to reduce network latency and improve time accuracy.

- 1. Log in to the Web UI as the Admin user.
- 2. Choose **System** > **General**.
- 3. In the **DATE & TIME** area, enable **Set Time Automatically**.

The Set Time Automatically switch is enabled by default. If it is disabled, you need to first enable it.

- 4. Set domain names for NTP servers.
 - **NTP server 1**: Domain name for NTP server 1, mandatory. The default is **ntp1.aliyun.com**. Make sure you enter a valid domain name.
 - NTP server 2: Domain name for NTP server 1, optional. Make sure you enter a valid domain name.
- 5. Click **Apply**.

Make sure you click this button after configuring. Otherwise, your configuration will become invalid.

⋒⋏⋤⋹⋓⋹∊∊	Dashboard	Input Produce	Encode Stream	Album BGM	Media System	🗜 Admin 🗸
General	Network	C Control Hub	Security	Firmware	L) User	Logs
DEVICE		Device name	DMA511220416050			
DATE & TIME		Current time Time zone	2024-02-04 14:14:31 (UTC+08:00) Beijing, S Time zone change will take effec	hanghai, Hong Kong, Ta t only after device reboot.	ipei	~ Apply
		Set Time Automa Date Time	2024 · - (14 · ·) : (02 · 0 14 · 2		
_						Apply

Set Time Manually

You can also manually calibrate your system time.

- 1. Log in to the Web UI as the Admin user.
- Choose System > General. 2.
- In the DATE & TIME area, disable Set Time Automatically. 3.
- 4. Set **Date** and **Time**, and click **Apply**. Select data and time from the drop-down list boxes.
- 5. Click **Apply**.

Make sure you click this button after configuring. Otherwise, your configuration will become invalid.

\GEWELL®	Dashboard	Input Produce	Encode Stream	Album BGM	Media System	L Adı		
©	₽	cb	$\overline{\heartsuit}$		ß	Ê		
General	Network	Control Hub	Security	Firmware	User	Logs		
ETHERNET		Status	1.0 Gbps					
		IP address	10.10.12.1	27				
		Subnet mask	255.255.24	40.0				
		DNS	10.0.1.3					
		Gateway	10.10.0.1	10.10.0.1				
		IPv6 address	fe80::6cb5	fe80::6cb5:4648:6273:48ea				
		MAC address	d0:c8:57:8	d0:c8:57:80:e6:c4				
		Send	3.26 Mbps	3.26 Mbps				
		Receive						
						Edit		
Wi-Fi		Status	USB-Fusio	n_8456_5G				
		IP address	192.168.6	192.168.67.227				
		Subnet mask	255.255.25	255.255.255.0				
		DNS	192.168.6	7.1				
		Gateway	192.168.6	7.1				
		IPv6 address	fe80::5ad3	:91ff:fe4c:b3a6				

Configure Network

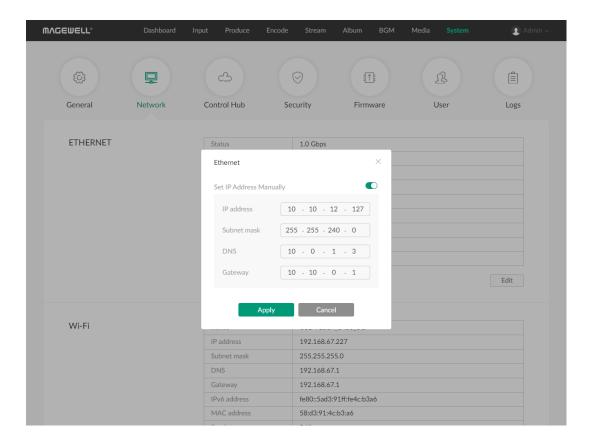
After connected to a network, the Director device can add IP sources as scenes and stream to destinations.

Configure Ethernet

View Network Information

After the Director device connects to an Ethernet network through the ETHERNET port, you can view the following Ethernet connection information in the **ETHERNET** area on the **Network** page.

- 1. Log in to the Web UI as the Admin user.
- Choose System > Network. 2.
- In the **ETHERNET** area, view Ethernet connection information. 3.
 - **Status**: Ethernet connection status
 - **Down**: The network port is down.
 - Disconnected: No network is connected.
 - 10 Mbps, 100 Mbps, 1.0 Gbps, 2.5 Gbps, 5 Gbps, 10 Gbps: Ethernet connection speed
 - IP Address: IP address of the Director device
 - Subnet Mask: a 32-bit mask that divides an IP address into two parts, network address and host address
 - **DNS**: the current DNS
 - Gateway: IP address of the gateway, which connects different networks
 - IPv6 address: the current IPv6 address



- MAC address: MAC address of the current network adapter
- Send: data sending speed of Director device
- **Receive**: data receiving speed of Director device

Configure a Static IP Address for Ethernet

Director device uses an DHCP-assigned IP address by default, which can effectively avoid IP address conflict, but can also result in constant IP address changes.

If no DHCP service is available in a network, you can manually set a static IP address for Director device. The static IP address will remain unchanged. However, you must make sure that this IP address is not used by any other device on the same network.

- 1. Log in to the Web UI as the Admin user.
- Choose System > Network. 2.
- In the ETHERNET area, click Edit. 3.
- On the displayed window, enable Set IP Address Manually, and set IP 4. Address, Subnet mask, DNS and Gateway. The current network settings are used by default.

To change back to using the DHCP service to obtain an IP address, disable Set IP Address Manually and click Apply. The parameters in the dialog box will be restored to their defaults.

5. Click Apply.

If you are currently accessing the Web UI using an Ethernet IP address, since the original IP address can no longer be used for access, the device will log you out.

6. In the address bar of a browser, enter the new IP address to ensure it can be used to access the Director device.

Configure Wi-Fi

On the Web UI, you can configure the Wi-Fi connection for Director device.

Connect to a Wi-Fi Network

- 1. Log in to the Web UI as the Admin user.
- Choose System > Network. 2.
- 3. In the Wi-Fi area, click Enable, and then click Connect.... A list of available Wi-Fi networks are displayed.
 - Mine: lists all networks that has been connected previously. The currently connected network will display at the top.
 - Others: lists other available networks. A lock icon indicates that the network requires a password to connect. The Wi-Fi icon indicates the network connection strength.
- 4. In the Wi-Fi list, click a network and click Connect. If a network requires a password, you need to first enter the password. The connected network will be shown in the **Mine** area. You can:
 - Click **Disconnect** to disconnect from the network. The next time you connect to the network that requires password, you no

ΜΛ ΔΕΨΕΓΓ _°	Dashboard Inpu	t Produce Encode		Album	BGM	Media		1	
		Gateway	10.10.0.1						
		IPv6 address	fe80::6cb5:4	648:6273:48	Bea				
		MAC address	d0:c8:57:80:	e6:c4					
		Send	3.26 Mbps						
		Receive	119 Kbps						
								Edit	
								Edit	
		Choose a network			×				
Wi-Fi		Mine							
				-					
		USB-Fusion_8456_	5G (- -					
		Connected							
		Disconnect	orget Ed	lit					
		Others							
		DIRECT-37	ć	- -					
		magewell-GUEST	ć	ġ			Change	Disable	
HOTSPOT		Hotspot name	Director_464	13					
		Security	WPA2 PSK						
		AP Band	2.4G						
					Edi	t Cha	inge Password	Disable	

longer need to enter the password.

- Click **Forget** to forget the network. After this, the network will be removed from the **Mine** list. If the network requires password, next time you will need to enter a password when connecting to it.
- Click Edit to set IP address manually. For details, refer to Configuring a Static IP Address for Wi-Fi.

After you disconnect or forget one network, the device will automatically connect another network in the **Mine** area.

- 5. Click the close button at the upper right corner. The **Wi-Fi** area will show the current Wi-Fi connection information.
- 6. To change to another Wi-Fi, click **Change...**.

	10 -0 57 00 - 4 - 4		
	d0:c8:57:80:e6:c4	MAC address	
	3.26 Mbps	Send	
	121 Kbps	Receive	
Edit			
	USB-Fusion_8456_50	Status	Wi-Fi
	192.168.67.227	IP address	
	255.255.255.0	Subnet mask	
	192.168.67.1	DNS	
	192.168.67.1	Gateway	
	fe80::5ad3:91ff:fe4c:	IPv6 address	
	58:d3:91:4c:b3:a6	MAC address	
	3 Kbps	Send	
	6 Kbps	Receive	
Change Disable			
Change			
	D'antes 4/40		HOTSPOT
	Director_4643	Hotspot name	HOTSFOT
	2.4G	AP Band	
Edit Change Password Disable			
	WPA2 PSK 2.4G	Security AP Band	

View Wi-Fi Connection Information

You can view the Wi-Fi connection information in the Wi-Fi area.

- 1. Log in to the Web UI as the Admin user.
- Choose **System** > **Network**. 2.
- In the **Wi-Fi** area, view Wi-Fi connection information: 3.
 - **Status**: Wi-Fi connection status
 - **Down**: The network port is down.
 - **Disconnected**: No network is connected.
 - *Network name*: Name of the connected network
 - **IP Address**: IP address of Director device
 - **Subnet Mask**: a 32-bit mask that divides an IP address into two parts, network address and host address
 - **DNS**: the current DNS
 - **Gateway**: IP address of the gateway, which connects different networks
 - **IPv6 address**: the current IPv6 address
 - MAC address: MAC address of the current network adapter
 - Send: data sending speed of Director device
 - **Receive**: data receiving speed of Director device

∧GEWELL°	Input	Produce	Encode	Stream	Album	BGM	Media	System) Adr
		Gateway		10.10.0.1						
				fe80::6cb5:	4648:6273:4	l8ea				
		MAC address		d0:c8:57:80	:e6:c4					
		Send		3.66 Mbps						
		Receive		102 Kbps						
									Edit	
Wi-Fi	US	B-Fusion_8456	_5G			×				
VVI-FI	ŝ	et IP Address M	anually							
		IP address	192	. 168 . 67	. 227					
		Subnet mask	255	. 255 . 255	. 0					
		DNS	192	. 168 . 67	. 1					
		Gateway	192	. 168 . 67	. 1					
			Apply	Cance	I			Change	Disable	
HOTSPOT		Hotspot name		Director_46	43					
				WPA2 PSK						
				2.4G						
						Ec	lit Ch	ange Password	Disable	

Configure a Static IP Address for Wi-Fi

Director device uses an DHCP-assigned IP address by default, which can effectively avoid IP address conflict, but can also result in constant IP address changes.

If no DHCP service is available in a network, you can manually set a static IP address for Director device. The static IP address will remain unchanged. However, you must make sure that this IP address is not used by any other device on the same network.

- 1. Log in to the Web UI as the Admin user.
- Choose **System** > **Network**. 2.
- In the Wi-Fi area, click Change.... 3.
- Click **Edit** in the **Mine** area. 4.
- On the displayed window, enable Set IP Address Manually, and set IP 5. Address, Subnet mask, DNS and Gateway. The current network settings are used by default.

To change back to using the DHCP service to obtain an IP address, disable Set IP Address Manually and click Apply. The parameters in the dialog box will be restored to their defaults.

6. Click Apply.

If you are currently accessing the Web UI using a Wi-Fi IP address, since the original IP address can no longer be used for access, the device will log you out.

7. In the address bar of a browser, enter the new IP address to ensure it can be used to access the Director device.

GEWELL®	Dashboard Ir	put Produce	Encode			BGM	Media	System	1) A
		MAC address		d0:c8:57:80:e6:	c4					
		Send		3.26 Mbps						
		Receive		121 Kbps						
									Edit	
Wi-Fi		Status		USB-Fusion_84	56_5G					
		IP address		192.168.67.227	7					
		Subnet mask		255.255.255.0						
		DNS		192.168.67.1						
		Gateway		192.168.67.1						
		IPv6 address		fe80::5ad3:91ff	:fe4c:b3a6					
		MAC address		58:d3:91:4c:b3:	a6					
		Send		3 Kbps						
		Receive		6 Kbps						
								Change	Disable	
HOTSPOT		Hotspot name		Director_4643						
		Security		WPA2 PSK						
		AP Band		2.4G						
						E	dit Ch	ange Password	Disable	
	ectronics Co., Ltd. All rights res					Sugar	et Llossa	juide License		1.0

Configure Hotspot

Director device can serve as a hotspot, which can be configured on the Web UI.

Enable Hotspot

- Log in to the Web UI as the Admin user. 1.
- Choose **System** > **Network**. 2.
- 3. Click **Enable** in the **HOTSPOT** area.
- 4. To disable hotspot, click **Disable**.

View Hotspot Information

After hotspot is enabled, you can view its information.

- 1. Log in to the Web UI as the Admin user.
- Choose System > Network. 2.
- View hotspot information in the **HOTSPOT** area. 3.
 - Hotspot name: the unique name that identifies your Director device's hotspot network. It is what appears when you search for available networks on your device.
 - Security: the measures taken to safeguard the connection between your • device and the hotspot network. It ensures that your data transmission remains confidential and protected from unauthorized access.
 - WPA2 PSK: Other device need a password to access the hotspot.
 - No authentication: Other device can access the hotspot freely.

- AP Band: the frequency band on which the hotspot operates. The AP Band determines the range and performance of your hotspot connection.
 - **2.4G**: the 2.4 GHz band offers wider coverage but with slower speeds.
 - **5G**: the 5 GHz band provides faster speeds but with shorter range.

To ensure the connection effect, when 5G is selected, the recommended optimal connection distance is within 5 meters, and a maximum of 5 devices can be connected. When 2.4G is selected, the recommended optimal connection distance is within 5 meters, and a maximum of 2 devices can be connected.

Edit	Hotsp	ot
------	-------	----

- Log in to the Web UI as the Admin user. 1.
- Choose System > Network. 2.
- Click Edit in the HOTSPOT area. 3.
- Enter a hotspot name. 4.
- 5. Select the security mode. If you select WPA2 PSK, the device will generate a default password which you can view on the device. You can change the password.
- 6. Select the AP band. You may refer to Which AP band should I choose for hotspot.
- 7. Click Apply.

ΜΛ ΔΕΨΕΓΓ.						BGM	Media		1	
		Gateway		10.10.0.1						
		IPv6 address		fe80::6cb5:	4648:6273:4	48ea				
		MAC address		d0:c8:57:80):e6:c4					
		Send		3.61 Mbps						
		Receive		73 Kbps						
									Edit	
Wi-Fi		Chalue.		LICD Fusies	0454 50					
		Hotspot				×				
		Hotspot name	Direc	tor_4643						
		Security	WPA	2 PSK		~				
		AP Band	2.4G			~				
			Apply	Cance	el					
	b							Change	Disable	
HOTSPOT		Hotspot name		Director_46	643					
		Security		WPA2 PSK						
		AP Band		2.4G						
						E	dit Cha	ange Password	Disable	

Change Hotspot Password

When you set the hotspot security to WPA2 PSK, a password is required for accessing the hotspot network. You can change the default password.

- 1. Log in to the Web UI as the Admin user.
- Choose System > Network. 2.
- Click Change Password in the HOTSPOT area. 3.
- 4. In the displayed window, enter a password, and confirm the password. The password is case sensitive, ranging from 1 to 32 characters consisting of A-Z, a-z, 0-9, and special characters _-~!@#\$%^&*-+=
- 5. Click **OK**.

The password will take effect immediately

۵	N∕GEWELL°	Dashboard	Input Produce	Encode Stream	Album BGM	Media System	2 Admin ~
	نې General	Network	cු Control Hub	Security	Firmware	L. User	Logs
	CONTROL HU	JB 1	Control Uluk at	Opling			Deregister
			Register		×		
			Invitation code	4-digit			
			Control Hub ad	IP address or do	main name		
			HTTPS				
	CONTROL HU	JB 2	HTTP port	80 Save Cano	el		Register
				Unregistered			

ͲΛ ĠϾΨϾLL°	Dashboard	Input Produce	Encode	Stream	Album BG	iM Media		💽 Admin 🗸
کې General	Network	උ Control Hub		→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→<	Firmware		D. User	Logs
CONTROL HUE	3 1							Deregister
		Control Hub	status	Online				
		Registration s	status	Accepted				
		Control Hub	address	10.0.1.32				
		HTTPS		Disabled				
		HTTP port		80				
CONTROL HUE	3 2							Register
			Unregiste	ered				

Join Magewell Control Hub

Director device supports joining Magewell Control Hub (V2.1.20 and later), so that administrators can remotely view device parameters, trigger operational functions, assign permissions for different devices or groups. Currently, you can connect two Control Hub instances.

Please install and log in Magewell Control Hub at first by referring to Control Hub User Manual.

The following steps take the CONTROL HUB 1 area as an example.

- 1. Log in to the Web UI as the Admin user.
- Choose **System > Control Hub**. 2.
- Click **Register...** in the **CONTROL HUB 1** area. 3.
- Input parameters in the pop-up window, and click **Save**. 4.
 - Invitation code: a 4-digital numbers security code enabled on Control Hub. If not enabled, leave it empty.
 - Control Hub address: input IP address or domain name of Control Hub.
 - "HTTPS": turn it on when data security matters, and Control Hub enables HTTPS at the same time. It is off by default.
 - "HTTPS port": input HTTPS port number between 1 and 65535, which should be consist with that of Control Hub. Port 443 is used by default.
 - **HTTP port**: input HTTP port number, which should be consist with that of Control Hub. The default number is 80.
- 5. In the **CONTROL HUB 1** area, check parameters related to Control Hub management.
 - Control Hub status: Online or Offline. Online indicates that the

communication between device and Control Hub goes well. On the other hand, Offline indicates the communication is interrupted.

- **Register status:** shows current status of cloud-join permission, including:
- Incorrect invitation code: you need to change your registration with correct code.
- Waiting: registration is successfully submitted to Control Hub and waiting for approval.
- Accepted: registration is approved. This device can be remotely controlled.
- **Rejected**: Registration is denied.
- **Deleted**: Registration is deleted, you can re-apply for joining the Control Hub.
- Control Hub address: shows IP address or domain name of Control Hub.
- HTTPS: shows the HTTPS port of device used to communicate with Control Hub, when HTTPS is enabled.
- **HTTP port**: shows the HTTP port of device used to communicate with Control Hub.
- 6. Manage the device on Control Hub.
- 7. To deregister from Control Hub, click **Deregister**.

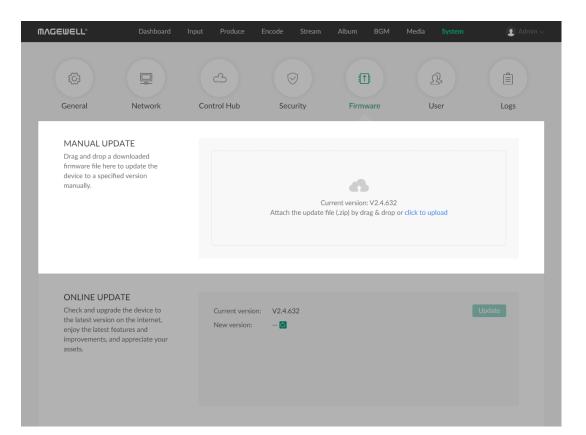
Do not import files larger than 1G through the Control Hub, as it is not supported now.

m.	∧GEWELL°	Dashboard	Input Produce	Encode Stream	Album BGM	Media System	💽 Admin ~
	کی General	Network	Control Hub	Security	Firmware	L User	Logs
	CERTIFICATE		Certificate				
			Private key	From file			
			The Ry				
				From file			Import

Enable HTTPS

By default, you can log into the Web UI via HTTP. You can also enable HTTPS.

- 1. Log in to the Web UI as the Admin user.
- Choose **System** > **Security**. 2.
- Add HTTPS certificate. 3.
 - Click **From file** of **Certificate** and select the certificate file. i.
 - ii. Click From file of Private Key and select the private key file.
 - Click **Import**. The certificate information will be displayed on the page. iii.
- Click **Enable** and reboot the device to make the configuration take effect. 4.
- Enter the IP address prefixed with https:// into your browser, revisit the 5. Web UI, and log in.
- To change the certificate, click **Change** to re-import. 6.
- 7. To delete the certificate, click **Delete**, and then reboot the device to make the configuration taking effect.
- 8. To disable HTTPS login, click **Disable**, and then reboot the device to make the configuration taking effect.



Update Firmware

Both manual update and online update are supported. Manual update allows you to import any version while online update automatically updates to the latest version.

Manually Update Firmware

Before updating, download the firmware from the official website to your local computer.

- Log in to the Web UI as the Admin user. 1.
- Choose System > Firmware. 2. In the MANUAL UPDATE area, you can view the current firmware version.
- In the MANUAL UPDATE area, click click to upload in the file upload box to 3. select the firmware file stored locally and upload. You can also drag the firmware file to the file upload box. The device will automatically verifies if the update file is valid. If yes, the device then loads the file.
- In the Manual Update window, click Update. 4.
 - The update consists of operations including erasing and writing, so you need to wait for a while.
 - While updating, do not shut down/reboot the device, or disconnect from the network.
 - If the update is interrupted due to unexpected exceptions (such as power outage or network disconnection), the firmware will roll back to the factory version, and you need to update the firmware again.

⋒⋏⋳⋹⋓⋹∊∊					Media System	👤 Admin 🗸
(©) General	Network	CS Control Hub	Security	Firmware	L) User	Logs
MANUAL UPDA Drag and drop a dow firmware file here to device to a specified manually.	vnloaded update the			urrent version: V2.4.632 ile (.zip) by drag & drop o	or click to upload	
ONLINE UPDAT Check and upgrade the latest version on enjoy the latest feat improvements, and a assets.	the device to the internet, ures and	Current versio New version:	n: V2.4.632 🖸			Update

- 5. When the update is completed, click **Reboot**. The reboot will automatically disconnect from and then connect to the network. when the reboot is completed, you will be directed to the Web UI login page.
- 6. Log in to the Web UI again and check **Software** in the **Version** area on the Dashboard page.

The software version should be the one you just updated to.

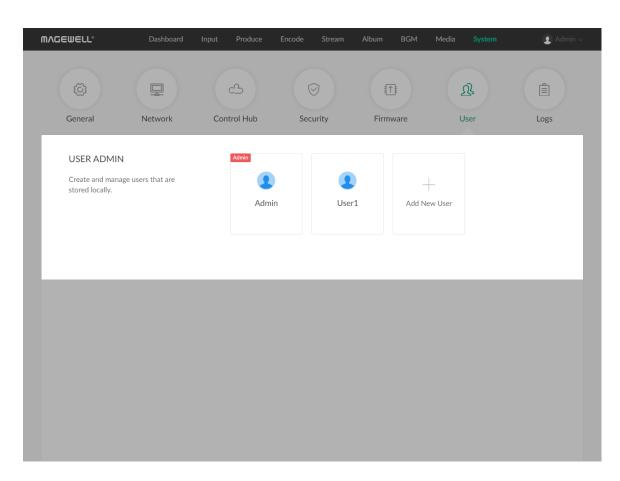
Update Firmware Online

- 1. Log in to the Web UI as the Admin user.
- Choose System > Firmware. 2.
- 3. In the **ONLINE UPDATE** area, check if any update is available. You can click the update icon \bigodot next to **New version** to refresh.
- 4. If update is available, click the **Update** button.
 - The update consists of operations including erasing and writing, so you need to wait for a while.
 - While updating, do not shut down/reboot the device, or disconnect from the network.
 - If the update is interrupted due to unexpected exceptions (such as power outage or network disconnection), the firmware will roll back to the factory version, and you need to update the firmware again.
- 5. When the update is completed, click **Reboot**. The reboot will automatically disconnect from and then connect to the network. when the reboot is completed, you will be directed to the Web UI login page.

6. Log in to the Web UI again and check **Software** in the **Version** area on the Dashboard page.

The software version should be the one you just updated to.

Online update does not support version rollback. If you need to roll back, use manual update.



Manage Users

Director device has a preset Admin user that cannot be deleted. The Admin user can create and manage users for the current Director device.

Create Users

Multiple users can access the same device for monitoring or other operations.

- Log in to the Web UI as the Admin user. 1.
- Choose **System** > **User**. 2.
- On the **User** tab page, click the **Add New User** button. 3.
- Enter the user name and password, and confirm the password. 4.
 - The user name is case sensitive, ranging from 3 to 12 characters consisting of A-Z, a-z, 0-9 and underscores (_).
 - The password is case sensitive, ranging from 1 to 32 characters consisting of A-Z, a-z, 0-9, and special characters _-~!@#\$%^&*-+=
- 5. Click **OK**.

Delete Users

- 1. Log in to the Web UI as the Admin user.
- Choose System > User. 2.
- On the **User** tab page, move the mouse to a user and click the **X** icon at 3. the upper right corner.

The Admin user cannot be deleted.

4. In the displayed dialog box, click **Yes**.

MV@EMELT.	Dashboard	Input Produce	Encode Stream	Album BGM	Media System	💽 Admin 🗸
کې General	Network	C2 Control Hub	Security	Firmware	یک User	Logs
USER ADMIN Create and manage stored locally.	e users that are	Admin Q Change Pass Password	word	× Add Nev		
		Confirm pass	OK Cane	cel		

Reset the Password

1. Log in to the Web UI as the Admin user.

If you need to reset the password of the Admin user, you need to reset the device to restore to the default Admin account. For details, please refer to User Manual for Director.

- 2. Choose **System** > **User**.
- 3. On the **User** tab page, move the mouse to a user and click **Set password**.
- 4. In the displayed window, enter the new password, and confirm the new password.

The password is case sensitive, ranging from 1 to 32 characters consisting of A-Z, a-z, 0-9, and special characters _-~!@#\$%^&*-+=

5. Click **Yes**.

The new password will take effect immediately.

MV@EMELT₀	Dashboard	Input Produ	ce Encode	Stream	Album	BGM Me	dia <mark>System</mark>	2 Adr	
				9)	ß		
General	Network	Control Hub	o Seci	urity	Firmwa	re	User	Logs	
SYSTEM LOG		Total : 2718 e	events			All 🗌 In	formation 🗌 Wa	rning Error	
Track important ev by the device and		Level	Date & Time		Details				
file for technical s	upport.	(j)	2024/02/04 14:43	3:21.251	Request star client list size	nt: 170701797294	72946, Exist:true.		
		(j)	2024/02/04 14:43	3:21.250	Request star client list size	6, Exist:true.			
		(j) :	2024/02/04 14:43	3:21.250	Request start preview. client: 1707017972946, Exist:true. client list size: 2				
		(j)	2024/02/04 14:42	2:48.209	Request star client list size		nt: 170701797294	6, Exist:true.	
		(j)	2024/02/04 14:42	2:48.207	Request star client list size		nt: 170701797294	6, Exist:true.	
		(j)	2024/02/04 14:42	2:48.201	Request star client list size		nt: 170701797294	5, Exist:true.	
		() :	2024/02/04 14:39	9:06.712	Request star client list size		nt: 170701797294	5, Exist:true.	
		(j)	2024/02/04 14:39	2:06.712	Request star client list size	1 C C C C C C C C C C C C C C C C C C C	nt: 170701797294	5, Exist:true.	
					Docupet stor	t provious clier	-+. 170701707004	Evistation	
							Clear	Export	
2024, Nanjing Magewell Ele	ectronics Co., Ltd. All right	s reserved.				Support	User guide Licen	se Legal Wa	

Manage Logs

When you need support service, providing logs to support engineers can often help troubleshooting your problem. Only the Admin user can export logs.

- 1. Log in to the Web UI as the Admin user.
- Choose **System** > **Logs**. 2.
- (Optional) In the SYSTEM LOG area, filter logs. 3. By default, all logs are displayed in the table. Check the following boxes to display corresponding logs:
 - All: Check to display all logs.
 - Information: Check to display information logs. This log level records user operations and system events, such as login and signal locking.
 - Warning: Check to display warning logs. This log level records system exceptions, such as Ethernet disconnection, and signal not locked.
 - Error: Check to display error logs. This log level records serious system errors, such as device initiation failure. The total number of logs is also displayed above the log list.
- 4. (Optional) Click **Export...** to export a log file in .html format. In the displayed window, click **Export**.
- 5. (Optional) Click Clear to remove all logs. In the displayed window, click Yes.

MAGEWELL® Dashboard	Input Produce	Encode Stream Album BGM	Media System	👤 Admin 🔨
				Change password
DIRECTOR MINI	Device name	DMA511220416050		Sign out
	Serial number	A511220416050		Reboot
	Power status	Power cable connected -		
VERSION	Firmware	Software	Hardware	
	1.20	3.0.856	A	
STATUS	CPU	Memory	Temperature	
	22.49%	47%	48.89°C	
	Up time	Free space	Fan speed	
	1 h 12 m	49.7 GB	3502 rpm	
	Kernel 313			
	313			
NETWORK	(p) Cellular	Bluetooth	© USB-Fusion_84 192.168.67.22	456_5G .7
	Ethernet 10.10.7.181	Hotspot		

Reboot Device

When the Director device cannot run properly, you can reboot the device for troubleshooting.

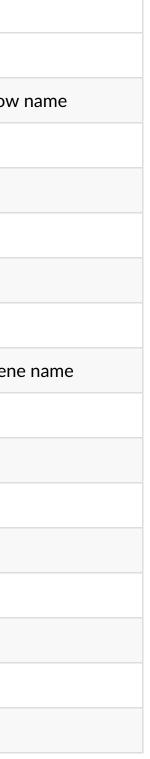
- \triangle Rebooting will not make the current device settings invalid.
- 1. Log in to the Web UI as the Admin user.
- 2. At the upper right corner of the Web UI, click the user name, and click Reboot.
- 3. In the displayed window, click **Reboot**.

The reboot will automatically disconnect from and then connect to the network. when the reboot is completed, you will be directed to the Web UI login page.

Shortcuts for Director

You can set shortcuts on the Produce page, and then call the following functions.

Function Name	Description	Remark
Show		
Switch to the specific show	Switch to a specific show	Specify a show by selecting show
Switch to the first show	Switch to the first show	
Switch to the last show	Switch to the last show	
Switch to the next show	Switch to the next show	
Switch to the previous show	Switch to the previous show	
Scene		
Switch to the specific scene	Switch to a specific scene	Specify a scene by selecting scen
Switch to the first scene	Switch to the first scene	
Switch to the last scene	Switch to the last scene	
Switch to the next scene	Switch to the next scene	
Switch to the previous scene	Switch to the previous scene	
Switch preview to PGM	Switch the preview scene to live program	
Toggle transition of current scene	Toggle transition in/out of current scene	
Transition in of current scene	Enable transition in of current scene	
Transition out of current scene	Enable transition out of current scene	



Function Name	Description	Remark
GFX		
Turn on GFX	Display a GFX	Specify a GFX by selecting GFX r
Turn off GFX	Undisplay a GFX	Specify a GFX by selecting GFX r
Turn on/off GFX	Display/Undisplay a GFX	Specify a GFX by selecting GFX r
Clear overlay	Undisplay all displayed GFXs and live comment	
Transition		
Turn on quick switch	Turn on quick switch	
Turn off quick switch	Turn off quick switch	
Turn on/off quick switch	Turn on/off quick switch	
Set transition effect	Set transition effect. Options include Cut, Fade, DIP, Wipe, DVE, Stinger and 3D.	
Set transition duration	Set transition duration, ranging from 50ms to 1000ms	
Set FTB transition duration	Set FTB transition duration, ranging from 200ms to 2000ms	
Stream		·
Start live streaming	Start live streaming to a specific destination	Specify the destination by selecti name
Stop live streaming	Stop live streaming to a specific destination	Specify the destination by selecti name

name
name
name
ing stream
ing stream

Function Name	Description	Remark
Start/Stop live streaming	Start/Stop live streaming to a specific destination	Specify the destination by select name
Stop all live streaming	Stop all live streaming	
Record		
Start recording	Start recording	
Stop recording	Stop recording	
Start/Stop recording	Start/Stop recording	
Screenshot	Take a screenshot of the program scene	
Video		
Play video	Play video in program view	
Pause video	Pause video in program view	
Play/Pause video	Play/Pause video in program view	
Rewind to start	Rewind to start	
Fast forward to end	Fast forward to end	
Rewind by seconds	Rewind at a set step size, ranging from 1s to 10s	
Fast forward by seconds	Fast forward at a set step size, ranging from 1s to 10s	
Jump to a specific time	Jump to a specific time, ranging from 0s to infinity	



Slide Play slide Pause slide Play/Pause slide Play/Pause slide Switch to the previous Switch to the next BGM	scription y the slide use the slide y/Pause the slide	Remark
Play slidePlayPause slidePausePlay/Pause slidePlaySwitch to the previousSwitSwitch to the nextSwitBGMInternet	ise the slide y/Pause the slide	
Pause slide Pause Play/Pause slide Play Switch to the previous Swit Switch to the next Swit BGM Swit	ise the slide y/Pause the slide	
Play/Pause slide Play Switch to the previous Switch Switch to the next Switch BGM Switch	y/Pause the slide	
Switch to the previous Switch Switch to the next Switch BGM Switch		
Switch to the next Swit		
BGM	th to the previous picture/video	
	tch to the next picture/video	
Play BGM Play		
	y BGM in program view	
Pause BGM Paus	se BGM in program view	
Play/Pause BGM Play	/Pause BGM in program view	
Go to the first song Go t	to the first song	
Go to the last song Go t	to the last song	
Go to the next song Go t	to the next song	
Go to the previous song Go t	to the previous song	
Go to the song Go t	to a specified song	Specify a song by selecting song
Audio Mixer		
Set PROGRAM option Turr	n on/off PROGRAM audio	
Set PROGRAM volume	the gain of PROGRAM audio, ranging from dB to 10dB	



Function Name	Description	Remark
Set PREVIEW option	Turn on/off PREVIEW audio	
Set PREVIEW volume	Set the gain of PREVIEW audio, ranging from - 40dB to 10dB	
Set MONITOR option	Turn on/off MONITOR audio	
Set MONITOR volume	Adjust MONITOR volume, ranging from -40dB to 10dB	
Select MONITOR device	Set MONITOR device	Specify the device by selecting N Jack, Bluetooth device (if connec device (if connected)
Set MIC option	Turn on/off MIC audio	
Set MIC volume	Set the gain of MIC audio, ranging from -40dB to 10dB	
Set Bluetooth option	Turn on/off Bluetooth audio	
Set Bluetooth volume	Set the gain of Bluetooth audio, ranging from - 40dB to 10dB	
Set USB AUDIO option	Turn on/off a specific USB audio	Specify the USB audio by selectin name
Set USB AUDIO volume	Set the gain of a specific USB AUDIO, ranging from -40dB to 10dB	Specify the USB audio by selectin name
Set HDMI 1 action scope	Apply HDMI 1 audio settings to global or per scene	



Function Name	Description	Remark
Set HDMI 1 global option	Set global option of HDMI 1 audio, which can be AFV, Always On or Always Off	
Set HDMI 1 scene option	Set scene-based option of HDMI 1 audio, which can be Audio On or Audio Off	
Set HDMI 1 volume	Set the gain of HDMI 1 audio, ranging from - 40dB to 10dB	
Set HDMI 2 action scope	Apply HDMI 2 audio settings to global or per scene	
Set HDMI 2 global option	Set global option of HDMI 2 audio, which can be AFV, Always On or Always Off	
Set HDMI 2 scene option	Set scene-based option of HDMI 2 audio, which can be Audio On or Audio Off	
Set HDMI 2 volume	Set the gain of HDMI 2 audio, ranging from - 40dB to 10dB	
Set BGM option	Turn on/off BGM	
Set BGM volume	Set the gain of BGM, ranging from -40dB to 10dB	
Set STREAM action scope	Apply STREAM audio settings to global or per scene	Select stream by name, including NDI and Phone Camera
Set STREAM global option	Set global option of STREAM audio, which can be AFV, Always On or Always Off	Select stream by name, including NDI and Phone Camera



Function Name	Description	Remark
Set STREAM scene option	Set scene-based option of STREAM audio, which can be Audio On or Audio Off	Select stream by name, including NDI and Phone Camera
Set STREAM volume	Set the gain of STREAM audio, ranging from - 40dB to 10dB	Select stream by name, including NDI and Phone Camera
Set VIDEO action scope	Apply VIDEO CLIP audio settings to global or per scene	Select video clip by name
Set VIDEO option	Turn on/off VIDEO CLIP audio	Select video clip by name
Set VIDEO volume	Set the grain of VIDEO CLIP audio, ranging from -40dB to 10dB	Select video clip by name
Set WEBPAGE scene option	Set scene-based option of WEBPAGE audio, which can be Audio On or Audio Off	Select webpage by name
Set WEBPAGE scene volume	Set the gain of WEBPAGE audio, ranging from -40dB to 10dB	Select webpage by name
Set GFX option	Turn on/off GFX audio	Select GFX by name
Set GFX volume	Set the grain of GFX audio, ranging from -40dB to 10dB	Select GFX by name
Set audio input delay	Adjust the input delay of Microphone Jack, HDMI 1, HDMI 2 or USB device, ranging from Oms to 400ms	
Output microphone sound to monitor device	Enable or disable outputting microphone sound to monitor device	



Function Name	Description	Remark
Output microphone sound to USB-C	Enable or disable outputting microphone sound to external device connected to the USB-C port	
Solo monitor	Only monitor one audio input	Select audio input by name
Scoreboard		
Reset Scoreboard	Reset scoreboard to initial settings	
Adjust team score	Adjust the score of home team or guest team with a value ranging from -100 to 100	
Go to the first period/inning	Go to the first period/inning	Inning is for baseball scoreboard
Go to the last period	Go to the last period	
Go to the next period/inning	Go to the next period/inning	Inning is for baseball scoreboard
Go to the previous period/inning	Go to the previous period/inning	Inning is for baseball scoreboard
Play game time	Start counting game time	
Pause game time	Pause counting game time	
Play/Pause game time	Start/Pause counting game time	
Adjust game time	Adjust game time, ranging from -100s to 100s	
Reset game time	Reset game time	
Adjust Out (Baseball)	Adjust outs, ranging from -2 to 2	For baseball scoreboard
Adjust Ball-Strike (Baseball)	Adjust ball number and strike number, ranging from -3 to 3	For baseball scoreboard



Function Name	Description	Remark
Set on base runners (Baseball)	Set on-base runner indicators for 1st Base, 2nd Base, 3rd Base	For baseball scoreboard
Clear pitch count (Baseball)	Clear balls and strikes to zero	For baseball scoreboard
Set stoppage time (Soccer)	Set stoppage time, ranging from 0 to 59, in minutes	For soccer scoreboard
Reset stoppage time (Soccer)	Reset stoppage time	For soccer scoreboard
Show stoppage time (Soccer)	Show stoppage time	For soccer scoreboard
Hide stoppage time (Soccer)	Hide stoppage time	For soccer scoreboard
Show/Hide stoppage time (Soccer)	Show/Hide stoppage time	For soccer scoreboard
Show substitution (Soccer)	Show substitution	For soccer scoreboard
Hide substitution (Soccer)	Hide substitution	For soccer scoreboard
Show/Hide substitution (Soccer)	Show/Hide substitution	For soccer scoreboard
Timer		
Reset timer	Restore the timer to the preset duration	
Start or resume timer	Start or resume counting	
Pause timer	Pause counting	
Start/Pause timer	Start/Pause counting	
Stopwatch		
Reset stopwatch	Restore the stopwatch to zero	



Function Name	Description	Remark
Start or resume stopwatch	Start or resume counting	
Pause stopwatch	Pause counting	
Start/Pause stopwatch	Start/Pause counting	
PTZ		
Select PTZ device	Select PTZ device	Specify the PTZ device by selectinate name
Call preset	Call preset by number	
Store preset	Store preset by number	
PTZ zoom in	Start to zoom in at a set speed, ranging from 1 to 10	
PTZ zoom out	Start to zoom out at a set speed, ranging from 1 to 10	
PTZ stop zooming	Stop zooming	
PTZ auto focus	Apply autofocus	
PTZ focus far	Focus far	
PTZ focus near	Focus near	
PTZ home	Move back to the center of the Pan/Tilt	NDI PTZ does not support this fu
PTZ move up	Move upwards	
PTZ move up left	Move upwards and leftwards	



Function Name	Description	Remark
PTZ move left	Move leftwards	
PTZ move down left	Move downwards and leftward	
PTZ move down	Move downwards	
PTZ move down right	Move downwards and rightwards	
PTZ move right	Move rightwards	
PTZ move up right	Move upwards and rightwards	
PTZ stop moving	Stop moving	NDI PTZ does not support this for
PTZ start recording (OBSBOT)	Start recording	For OBSBOT Tail Air
PTZ stop recording (OBSBOT)	Stop recording	For OBSBOT Tail Air
PTZ start/stop recording (OBSBOT)	Start/stop recording	For OBSBOT Tail Air
Start Al human tracking (OBSBOT)	Start AI human tracking	For OBSBOT Webcam
Stop Al human tracking (OBSBOT)	Stop AI human tracking	For OBSBOT Webcam
Start/Stop AI human tracking (OBSBOT)	Start/Stop AI human tracking	For OBSBOT Webcam
Set Al human tracking mode (OBSBOT)	Set Al human tracking mode	Select a proper mode based on O Webcam model
Set AI human tracking speed (OBSBOT)	Set Al human tracking speed	Select a proper mode based on O Webcam model
Set Al human tracking type (OBSBOT)	Set Al human tracking type. Options include Standard and Motion.	For OBSBOT Tiny 2



Function Name	Description	Remark
Set AI human zoom type (OSBBOT)	Set AI human tracking zoom type	For OBSBOT Tail 2
Turn on/off only me (OSBBOT)	Turn on/off only me (OSBBOT)	For OBSBOT Tail 2
Wake up Camera (OBSBOT)	Wake up the camera	For OBSBOT Webcam
Reset (OBSBOT)	Reset the webcam to its initial position	For OBSBOT Webcam
Start recording (Phone Camera)	Start recording on the mobile device	For Phone Camera
Stop recording (Phone Camera)	Stop recording on the mobile device	For Phone Camera
Start/Stop recording (Phone Camera)	Start/Stop recording on the mobile device	For Phone Camera
Switch to front camera (Phone Camera)	Switch to the front phone camera	For Phone Camera
Switch to back camera (Phone Camera)	Switch to the back phone camera	For Phone Camera
Switch to front/back camera (Phone Camera)	Switch to the front or back phone camera	For Phone Camera
Turn flashlight on (Phone Camera)	Turn on the flashlight on the mobile device	For Phone Camera
Turn flashlight off (Phone Camera)	Turn off the flashlight on the mobile device	For Phone Camera
Toggle flashlight (Phone Camera)	Toggle the flashlight on the mobile device	For Phone Camera
Enable Video Stabilization (Phone Camera)	Enable Video Stabilization on the mobile device	For Phone Camera
Disable Video Stabilization (Phone Camera)	Disable Video Stabilization on the mobile device	For Phone Camera
Toggle Video Stabilization (Phone Camera)	Toggle Video Stabilization on the mobile device	For Phone Camera

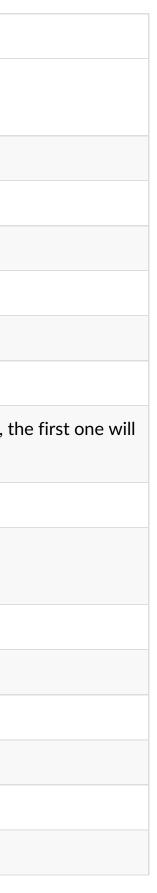
Function Name	Description	Remark
Auto White Balance (Phone Camera)	Enable auto White Balance adjustment on the mobile device	For Phone Camera
Increase White Balance (Phone Camera)	Increase White Balance on the mobile device	For Phone Camera
Decrease White Balance (Phone Camera)	Decrease White Balance on the mobile device	For Phone Camera
Auto ISO (Phone Camera)	Enable auto ISO adjustment on the mobile device	For Phone Camera
Increase ISO (Phone Camera)	Increase ISO on the mobile device	For Phone Camera
Decrease ISO (Phone Camera)	Decrease ISO on the mobile device	For Phone Camera
Auto Focus (Phone Camera)	Enable auto Focus adjustment on the mobile device	For Phone Camera
Increase Focus (Phone Camera)	Increase Focus length on the mobile device	For Phone Camera
Decrease Focus (Phone Camera)	Decrease Focus length on the mobile device	For Phone Camera
Reset Exposure Bias (Phone Camera)	Reset Exposure Bias on the mobile device	For Phone Camera
Increase Exposure Bias (Phone Camera)	Increase Exposure Bias on the mobile device	For Phone Camera
Decrease Exposure Bias (Phone Camera)	Decrease Exposure Bias on the mobile device	For Phone Camera
Unmute input sound (Phone Camera)	Unmute the input sound from the mobile device	For Phone Camera
Mute input sound (Phone Camera)	Mute the input sound from the mobile device	For Phone Camera
Mute/Unmute input sound (Phone Camera)	Mute/Unmute the input sound from the mobile device	For Phone Camera



Function Name	Description	Remark	
Replay			
Replay from start of buffer	Replay from start of buffer	Select the replay mode to determin camera, sequence and layout	
Replay from N seconds ago	Replay from N seconds ago, ranging from 3s to 60s	Select the replay mode to determin camera, sequence and layout	
Replay the last event	Replay the last event	Select the replay mode to determin camera, sequence and layout	
Replay event N	Replay event N by selecting the Event No.	Select the replay mode to determin camera, sequence and layout	
Replay all events	Replay all the events	Select the replay policy to determi once, loop replay or loop replay fo	
Replay the last N events	Replay the last N events by setting counts	Select the replay policy to determi once, loop replay or loop replay fo	
Exit replay	Exit replay		
Pause replay	Pause replay		
Play or resume replay	Play or resume replay		
Play/Pause replay	Play/Pause replay		
Fast forward	Fast forward at a set step size, ranging from 2s to 8s		
Fast backward	Fast backward at a set step size, ranging from 2s to 8s		

rmine the replay
rmine the replay
rmine the replay
rmine the replay
ermine to replay
y for X minutes
ermine to replay y for X minutes

Function Name	Description	Remark
Go to a specific position	Go to a specific position on the process bar, ranging from 0s to 60s	
Rewind to start	Rewind to start	
Go to the next frame	Go to the next frame	
Go to the previous frame	Go to the previous frame	
Add replay event	Add a replay event	Select the event duration
Delete all events	Delete all events	
Delete the last event	Delete the last event	
Tag the last event	Add a tag for the last event	If the event already has 3 tags, the be deleted.
Rate the last event	Rate the last event with up to 5 stars	
Set the replay speed	Set the replay speed. Options include 0.1x, 0.25x, 0.33x, 0.5x, 0.75x and 1.0x.	
Unmute replay sound	Unmute replay sound	
Mute replay sound	Mute replay sound	
Mute/Unmute replay sound	Mute/Unmute replay sound	
Unmute mic sound	Unmute mic sound	
Mute mic sound	Mute mic sound	
Mute/Unmute mic sound	Mute/Unmute mic sound	



Function Name	Description	Remark
Switch replay camera	Switch replay camera	Select one camera or side-by-side with different layout
Save current replay as event	Save current replay as an event	
Webpage		
Go back	Go back	
Go forward	Go forward	
Zoom out	Zoom out	
Zoom in	Zoom in	
Reset	Reset the webpage content to 100%	
Reload	Reload	
Page top	Scroll to the webpage top	
Page bottom	Scroll to the webpage bottom	
Page up	Scroll up a screen	
Page down	Scroll down a screen	
Up	Scroll up	
Left	Scroll left	
Down	Scroll down	
Right	Scroll right	
Others		

Function Name	Description	Remark
Reboot	Reboot the device	
Power off	Power off the device	
Screenshot	Take a screenshot of the device	
Adjust display brightness	Adjust display brightness	
Freeze current scene	Freeze current scene	
Unfreeze current scene	Unfreeze current scene	
Freeze/Unfreeze current scene	Freeze/Unfreeze current scene	
Turn on FTB	Turn on FTB	
Turn off FTB	Turn off FTB	
Turn on/off FTB	Turn on/off FTB	
Set USB-C DP output	Set content displayed on the external screen connected to USB-C port	Options include Program, Previe Duplicate Screen, Loop HDMI 1,
Wait	Set a duration between two functions, ranging from 50ms to 10000ms	Only add one Wait between two one shortcut, and one shortcut o two Wait.



FAQ

How to start a stream scheduled later for YouTube

When streaming to YouTube, you may need to preview the stream at first and then goes live as scheduled. You can follow the guide below.

- Create a channel in your YouTube studio, and set the schedule. 1.
- Ensure that you have **NOT** enabled Auto-start. 2.
- Tap **Stream** tap to open the stream server list, and start configuring YouTube. 3.
- When configuring **Post To**, select the channel you have created in Step 1. 4.
- Save your configurations. 5.
- Start streaming to YouTube. 6.
- On the popup window, select **Only Preview** to preview the stream at first. 7.
- In Live Control Room of YouTube, wait for the stream preview to show up, and then click **Go live**. 8.

If you select **Go Live** in step 7, it streams to YouTube and goes live at once.

Besides, when you stop streaming, usually it ends live at once. If you want to pause streaming and keeps live, you can refer the following steps.

- Go to your YouTube studio. 1.
- Ensure that you have **NOT** enabled Auto-stop. 2.
- Tap Stream tab to open the stream server list, and stop streaming to YouTube. 3.
- On the popup window, select **Pause Streaming** to pause stream but keeps live. You can use the **END STREAM** button in Live Control Room of YouTube 4. to end live.

If you select End Live, it stop streaming to YouTube and ends live at once.

Why can't I log in to my YouTube account?

When you try to log in to your YouTube account, your login may fail with a message indicating that your account is not enabled for live streaming. In this case, you need to go to YouTube to enable live streaming for your account.

- Log in to YouTube on your computer. 1.
- At the upper right corner on the YouTube home page, click **I** > Go live. 2.
- If you haven't, follow the prompts to verify your account. 3. You will be prompted to enter your country and phone number.

After your account is verified, it takes 24 hours to activate your account for live streaming. Once live streaming is activated, you can then successfully log in to your YouTube account and stream to YouTube. For other information such as what you can stream to YouTube, you can go to the YouTube official website.

It does not show live comments from Twitch?

The live comments from Twitch are got via SDK. Twitch's SDK does not support binding network card, that is, it does not support setting network priority. When the device is connected with multiple networks, to use one preferred network for streaming to Twitch while view live comments at the same time, please ensure that all these networks can access the official website of Twitch.

It does not show live comments from Facebook?

To show live comments from Facebook, you need to share your content to Public audience. You can refer to Choose who can see your post on Facebook.

Which AP band should I choose for hotspot?

- 1. The advantage of 2.4GHz is that it has a wider coverage area and stronger capability to penetrate solid objects. The main advantage of 5.0GHz is that the transmission rate is faster, which is 2~3 times that of the traditional 2.4GHz. And its anti-interference ability is stronger, which can avoid the interference of various electromagnetic waves in the daily environment.
- Since most wireless devices currently use the 2.4GHz frequency band, they are often interfered in the daily environment. The signal will not be as good 2. as 5.0GHz, and the network speed will also be affected. At present, most devices already support 5.0GHz. It is recommended to turn on 5.0GHz, so that it is not easy to be interfered, but at the same time, the power consumption of the device will be accelerated.

3. However, if your devices are separated by a distance, it is recommended to choose 2.4GHz, so that you can receive a better signal even across obstacles.

Note: When the Wi-Fi connected to the Director device is 5.0GHz, the AP band can only be selected as 2.4GHz; when the Wi-Fi is 2.4GHz, the AP band can only be selected as 5.0GHz.

Support

Get the Latest Information

If you have any problems using Magewell products or need more technical information, please visit the official website www.magewell.com for product introduction, user manual, and more.

Technical Support

- Go to the Knowledge Base to find answers to your problem. If you cannot find an answer, click Contact Us at the bottom to contact the support team.
- Submit your questions in the online Ticket System: tickets.magewell.com, or contact the Magewell Technical Support Team at support@magewell.net.

Glossary and Abbreviations

AES

Advanced Encryption Standard (AES) is a specification for the encryption of electronic data.

FTB

Fade to black. FTB allows your show to slowly disappear into a black, usually indicating the end of a scene or show.

GFX

Graphic overlays. Graphics overlay are text and graphics that are displayed in a stream over the actual content (such as game or video) during a live stream.

RTMP

RTMP stands for "Real-Time Messaging Protocol". It is an efficient way to transmit large chunks of audio, video, and data from a server to the Internet via an encoder. Most live video streaming relies on RTMP to deliver smooth, real-time playback.

SRT

SRT stands for "Secure Reliable Transport". It is an open source video transport protocol that utilizes the UDP transport protocol. It supports packet recovery while maintaining low latency. SRT also supports encryption using AES.