BROADCAST STATION

machine operation manual

KD-BC-8HN

120mm

425mm

340mm

CATALOGUE

一、Instructions for use

For your safety, please do not expose the equipment to rain or moisture. In case of failure, please do not remove the casing. For after-sales matters, contact the manufacturer to ask professional engineers for maintenance.

When recording or streaming important data, be sure to pre-check the device connection or perform a streaming test to ensure the system is functioning properly and avoid data loss.

According to copyright law, recorded video or audio may not be used for purposes other than personal enjoyment without the permission of the copyright owner. Note that for live performances, shows, and exhibitions, even your personal entertainment may be limited.

二、Precautions for using live broadcasting machine

Before use, please read this manual carefully and keep it properly;

• Observe the warning marks and instructions on the product;

• Before cleaning the machine, please unplug the power, alcohol, thinner, insecticide or other volatile solvents, because doing so will deform the shell or damage the surface;

• Do not use this product near water;

• Do not place the product in unstable places, such as wheelbarrow, stand, etc., to avoid serious damage to the product.

• The holes on the outside, back and bottom of this product are for heat dissipation. Do not cover or plug these holes to avoid overheating. Avoid placing products on beds, sofas, blankets and other surface tired objects, so as not to plug the opening. Do not place this product near fire, heating furnace or hot air outlet compound. Do not place this product in a closed space unless a proper vent is provided.

• For the power supply used in this product, please follow the mark on the power converter;

• When using the extension cable, please confirm that the total electricity/total amperage used shall not exceed the total amperage of the extension cable load;

• Do not insert anything into the opening of the body to cause short circuit. Do not spill any liquid on the product

• Do not disassemble and repair without authorization.

• If any of the following situations occur, please unplug this product and consult a qualified technician;

(1) The power cord or plug is damaged or scattered and spalling;

(2) There is liquid infiltration into the product;

(3) If the product has been in the rain or poured into the water;

(4) Damage caused by computer system viruses and malicious software, not within the scope of protection;

• Pack the equipment in the original packing box or similar packing box during transportation, which can reduce the strong vibration of the equipment;

Product and Service disclaimer

The information provided in this manual is intended as a guide only. All along, KIND strives to provide correct, complete and appropriate information. However, KIND cannot exclude that some information in this manual may be incorrect or incomplete and that this manual may contain typos, omissions or incorrect information. KIND recommends that you double-check the accuracy of the information in this document. KIND is not responsible for any omissions or errors. Or any subsequent loss or damage resulting from the information provided in the contents of this Manual, further information regarding the contents of this

Manual or the products may be obtained by contacting local offices or KIND Headquarters.

三、KD-BC-8HN KIND guide recording system features

portable broadcasting and recording machine that integrates multi-channel audio and video acquisition, video stunt transfer, cloud head control, tuning and mixing, broadcasting communication, multiplexing screen monitoring and streaming media server.

It is not only portable, but also combines video switching and mixing functions with video surveillance and network broadcast, making it a multi-in-one complete set of equipment for live content generation.

With this device, you can reduce the time and effort required to install, connect, and adjust devices without having to install a variety of devices as before.

The KD-BC-8HN can be seamlessly hard cut in the full frame of the multichannel video input transition.

This system provides mixing (overlapping), image transition effect, combination video and other functions.

You can mix videos with up to a hundred effects at once.

You can mix audio input from 5-way stereo and 5-way microphone.

Each channel has a range of functional components, including channel

faders and input gain adjustments, which will enable you to adjust the quality and level of sound on each channel individually.

PGM images can be streamed live.

This system is a high performance network broadcast system, using this system can provide based on MAN, WAN audio and video broadcast, recording and broadcasting services. At present, this system has been widely used in the studio video live broadcast, fine class, distance education, news live broadcast, conference live, academic exchange and other occasions that need audio and video live broadcast. Adopt modular design idea, can be built according to different needs of portable live broadcast all-in-one machine.

Product specification

Model number	KD-BC-8HN
Power supply	INPUT:AC110V-240V,50-60Hz,5A; OUTPUT:12V 10A
Operating temperature	0-40℃
dimension	(L*W*H) 425mm×340mm×120mm
weight	5kg
Video input	3G-SDI×8,HDBaseT×4, HDMI×2
Signal specification	1920×1080/P50, 3840×2160/P25
Video output	PGM output HDMI×1 SDI×2;PVW output SDI×1
Audio input	Stereo (L,R) IN RCA×5,MIC XLR×5
Audio output	Stereo (L,R) OUT RCA×1,Balanced XLR OUT×2,MonitorΦ3.5×1,Playback monitorΦ3.5×1,The director calls MICΦ3.5×2
Other interface	USB2.0×2,RJ451000M×1
Broadcasting communication	TALLY MINI XLR OUT×8,Director calls
switchboard	Hardware switch signal×8
Mixer table	Digital mixer×5,Analog mixer×5,Audio hardware delay device×2
record	TS-MP4
Live broadcast	RTMP

四、Host topology
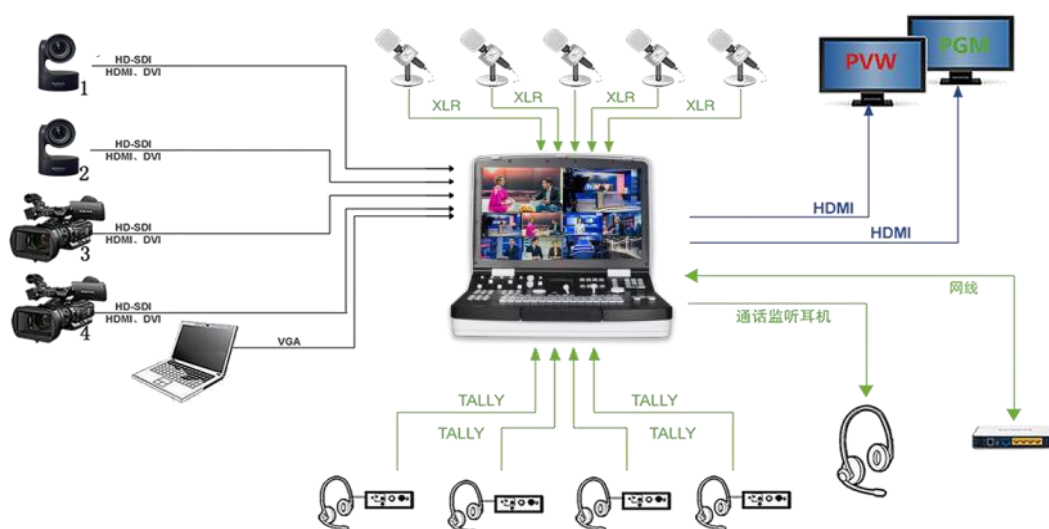
五、Rear interface diagram
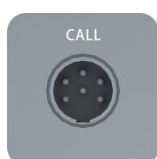
①Broadcast communication, 485 control, antenna

②Audio stereo, MIC input, output

③Video capture, PGM output, PVW output, SDI output

④Network interface, power switch, USB/ TF card interface, DC interface

interface	description .
CALL	1 to 8 Broadcast communication ports: TALL signals and broadcast calls are supported
485	485 control interface: using RS485 control signal, Supports PELCO-D and VISCV control protocols
WiFi	Wi-Fi interface: insert antenna to enhance signal range

XLR balanced analog audio output interface

1~5 Audio input XLR balanced analog audio input interface and Each way, with 48V phantom power switch (support for professional microphone power supply)

1 to 5 Audio input RCA stereo analog audio input interface(left/right channel), OUT audio output RCA stereo analog audio output interface

SDI1 to 8 Video input ports: Supports 1080P50 video source input

PGM/PVW video output interface: Signal specifications 1920×1080P25 video source;

HDMI video output port: Signal Specifications 3840×2160P25 Video source

DC power port: provides 12V to 10A/150W

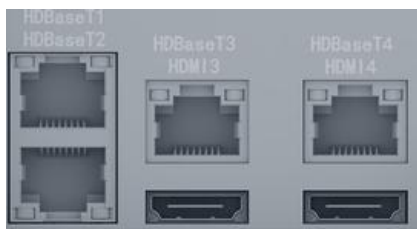The adapter power cable is connected to the DC power port

Power switch: Power on/off
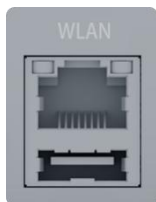
Network port: supports firmware upgrade on the network.

Software parameter debugging, live stream pushing

USB: Storage of video files that can be connected

to a USB storage device

HDBoseT1 to 4 video input ports: supports signal specifications 3840×2160P25. 4K video source input (HD products support signal specifications 1920×1080P50 video source input)Hdmi 3/4 video input interface (HDBoset 3/4 for the same channel cannot input video source at the same time)

六、Operation panel introduction and operation instructions
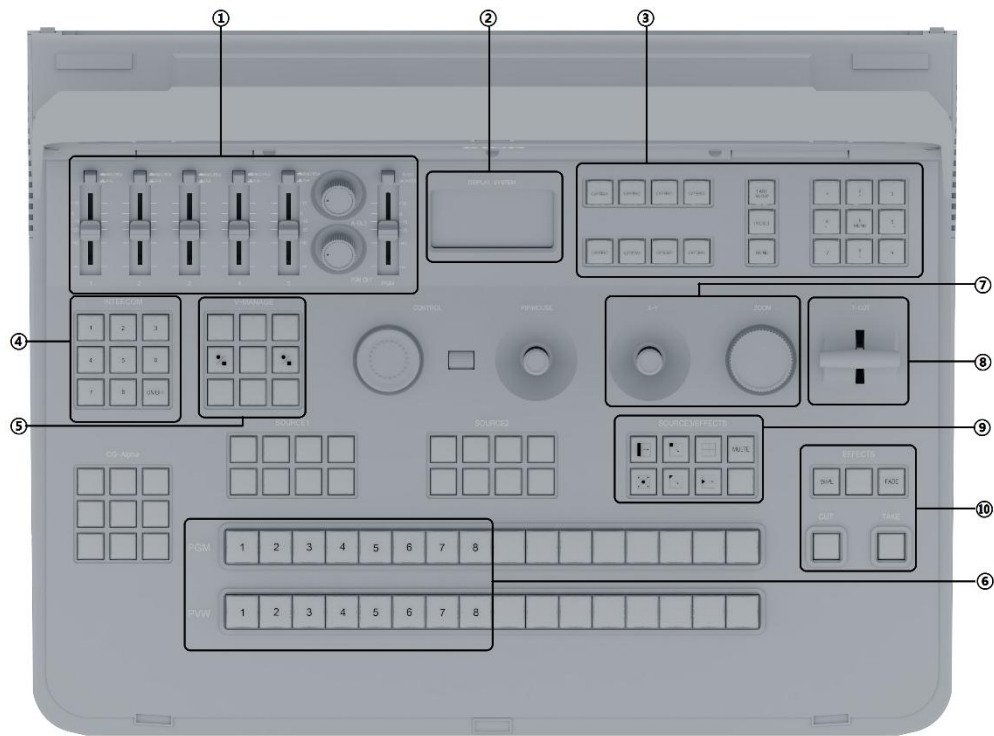
①Mixer, audio delay device, digital/analog audio switching keys

②Audio display

③8 Channel address, preset bit call, speed adjustment

④Broadcasting call switching station (not supported by different models)

⑤Record, stop button

⑥PGM/PVW video switching station

⑦Camera PTZ controller

⑧T-Bar

⑨WIPE Transition effects group key

⑩Multi-mode switch key

1.1 Detailed operating instructions：
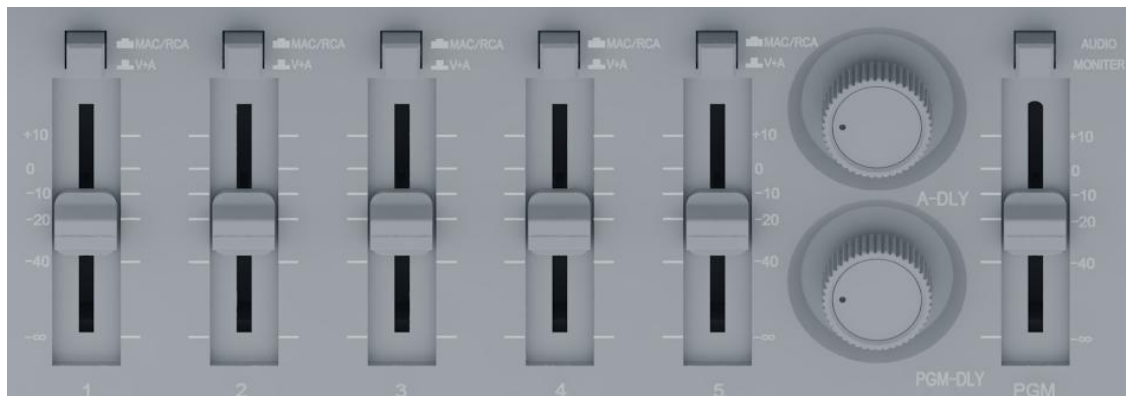
Audio gain adjustment of channels 1-5, corresponding to 1-5 audio input channels on the backplane, MAC/V+A digital/analog audio switching keys, audio delay, and PGM audio gain adjustment. PGM Mute with one key.

Audio display: display left and right channels, delay time

CAMERA1-8:8 Station channel address, press the button to switch different stations;

FAST/SLOW: Controls the speed of the camera. When the indicator is on, it is fast; when the indicator is off, it is slow.

PRESET: Sets the PRESET bit confirmation key, select any key 1 to 9, press Preset key (the indicator blinks once), the setting is successful, 9 groups of preset bits can be selected.

MENU: camera MENU key, press this key to start the MENU adjustment mode at the same time, 2/4/5/6/8 button light on, 2/4/6/8 represents the upper, left, right and lower four directions of the selection key, press 5 (MENU) once, the camera menu opens, after setting, press the menu key once, 2/4/5/6/8 button light off, restore the preset bit function

**Note: The preset bit and camera menu functions cannot be used at the same time.**

Call guide function panel: Click ON/OFF to turn on this function. There are 8 sets of buttons to make calls respectively (professional call equipment is required).
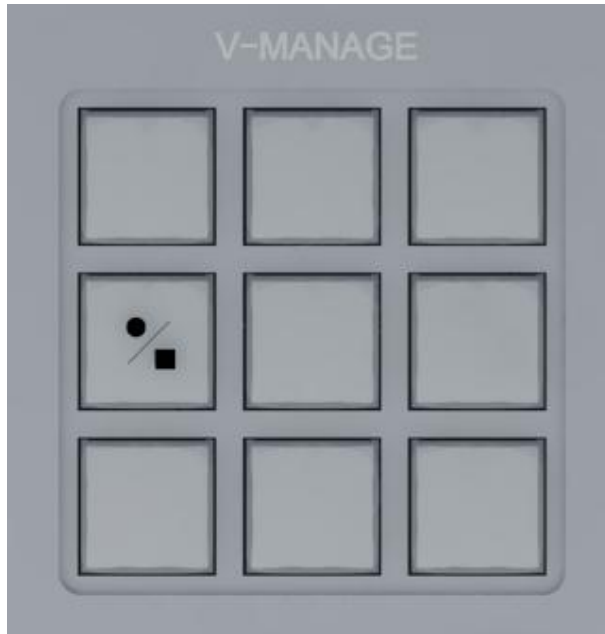
Recording button: If the indicator is not identified to the USB flash drive, the indicator is steady on. If the indicator is identified to the USB flash drive, the indicator is off. During recording, the indicator is blinking.


Main output screen and preview output screen source key, PGM row key as the main output key, that is, the live output screen. The playback channel will be displayed in the PGM screen, and the PVW row key will be the preview output screen, which will be displayed in the preview window.
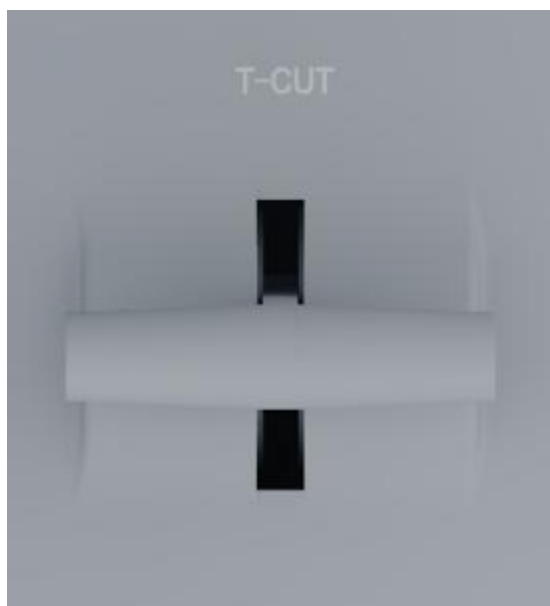
The T-putter: The T-putter is a manual transfer mode. The switch between PGM and PVW is completed with WIPE or fade in and out effects. The T-bar is pushed to the bottom to indicate that the transition is complete
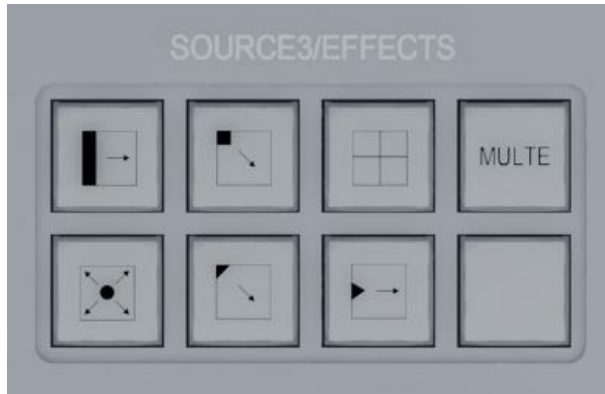
WIPE Selection Key Set: 6 fixed WIPE selection keys allow the user to select the WIPE directly from the graphic on the panel
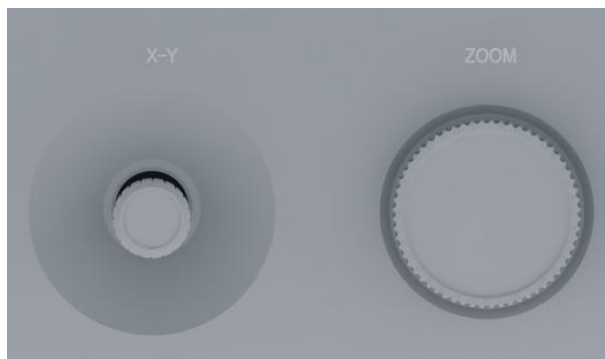
Camera PTZ controller: realizes the effect of pushing, pulling and shifting the PTZ camera position;Use the ZOOM knob to control the focus of the camera by turning it left and right

WIPE: Switch to enable transfer mode with the WIPE key set

FADE: Button to enable the fade effect

Switch between CUT and TAKE to switch PGM and PVW lenses, making the transition more convenient and fast

MAIN is 3.5 listening interface
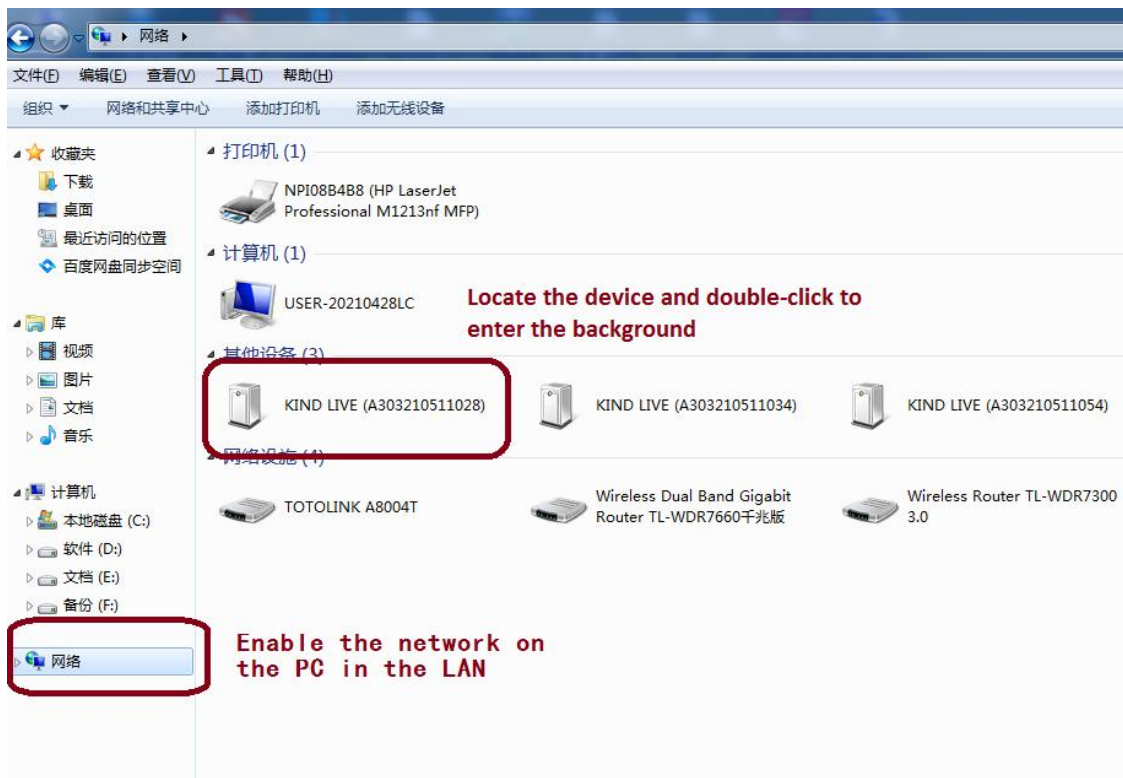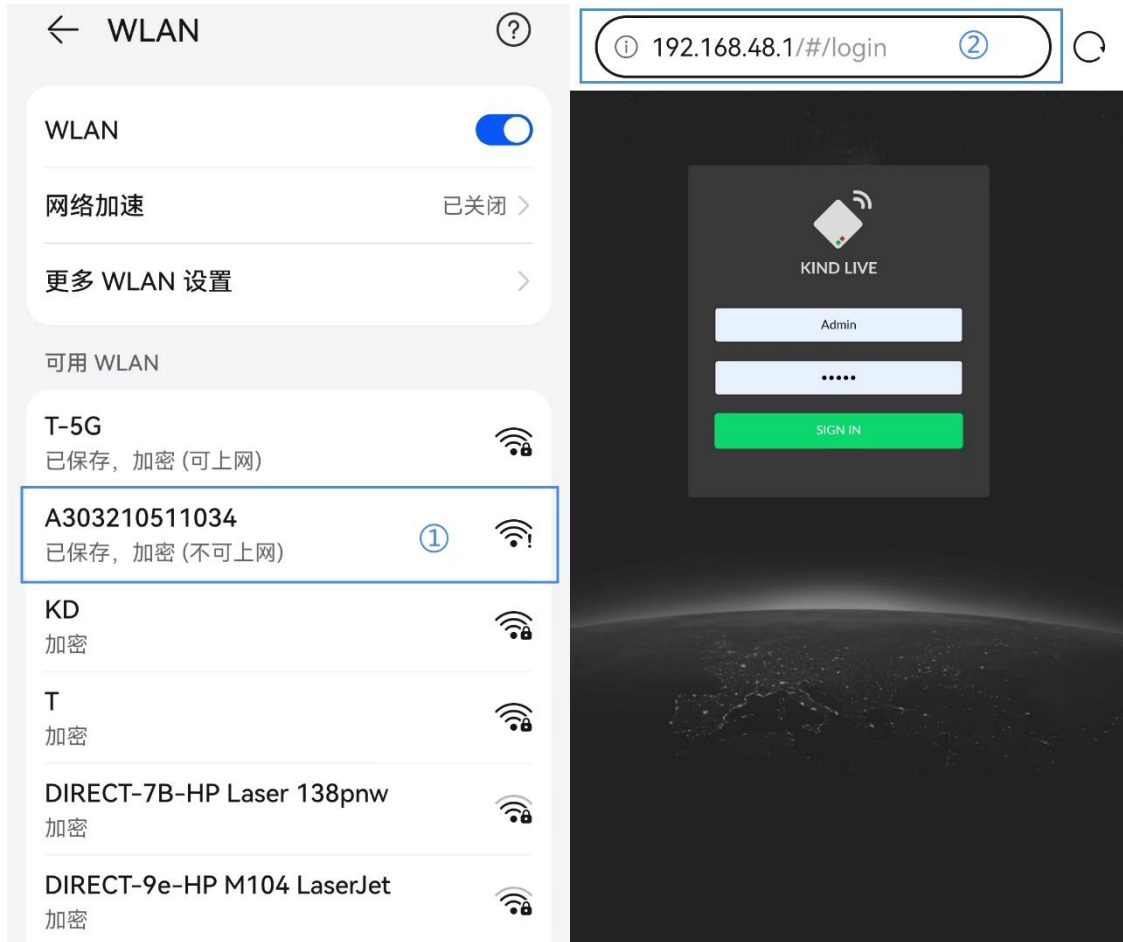
MONI is a 3.5 sound receiving interface

The Mic is a 3.5 call interface

Note :WIPE and FADE cannot be used together.

七、The computer end is connected to the instruction of the player

This section describes how to set NDI on the mobile phone

1. First, open the mobile phone to search for WIFI (the default naming format of the device is as shown in the figure below, and the password is the last eight digits of the number name); After the wireless connection is successful, open the system browser and enter 192.168.48.1 or the same LAN to view the network. (User name and password: Admin)

← WLAN ?

WLAN ⬤

网络加速　　　　　已关闭 ⟩

更多 WLAN 设置 ⟩

可用 WLAN

T-5G
已保存，加密 (可上网)

A303210511034 ①
已保存，加密 (不可上网)

KD
加密

T
加密

DIRECT-7B-HP Laser 138pnw
加密

DIRECT-9e-HP M104 LaserJet
加密

ⓘ 192.168.48.1/#/login ②

KIND LIVE

Admin

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SIGN IN

文件(F)　编辑(E)　查看(V)　工具(T)　帮助(H)

组织 ▾　网络和共享中心　添加打印机　添加无线设备

收藏夹
　下载
　桌面
　最近访问的位置
　百度网盘同步空间

库
　视频
　图片
　文档
　音乐

计算机
　本地磁盘 (C:)
　软件 (D:)
　文档 (E:)
　备份 (F:)

网络

▸ 打印机 (1)
　NPI08B4B8 (HP LaserJet Professional M1213nf MFP)

▸ 计算机 (1)
　USER-20210428LC

Locate the device and double-click to enter the background

▸ 其他设备 (3)
　KIND LIVE (A303210511028)　KIND LIVE (A303210511034)　KIND LIVE (A303210511054)

▸ 网络设施 (4)
　TOTOLINK A8004T　Wireless Dual Band Gigabit Router TL-WDR7660千兆版　Wireless Router TL-WDR7300 3.0

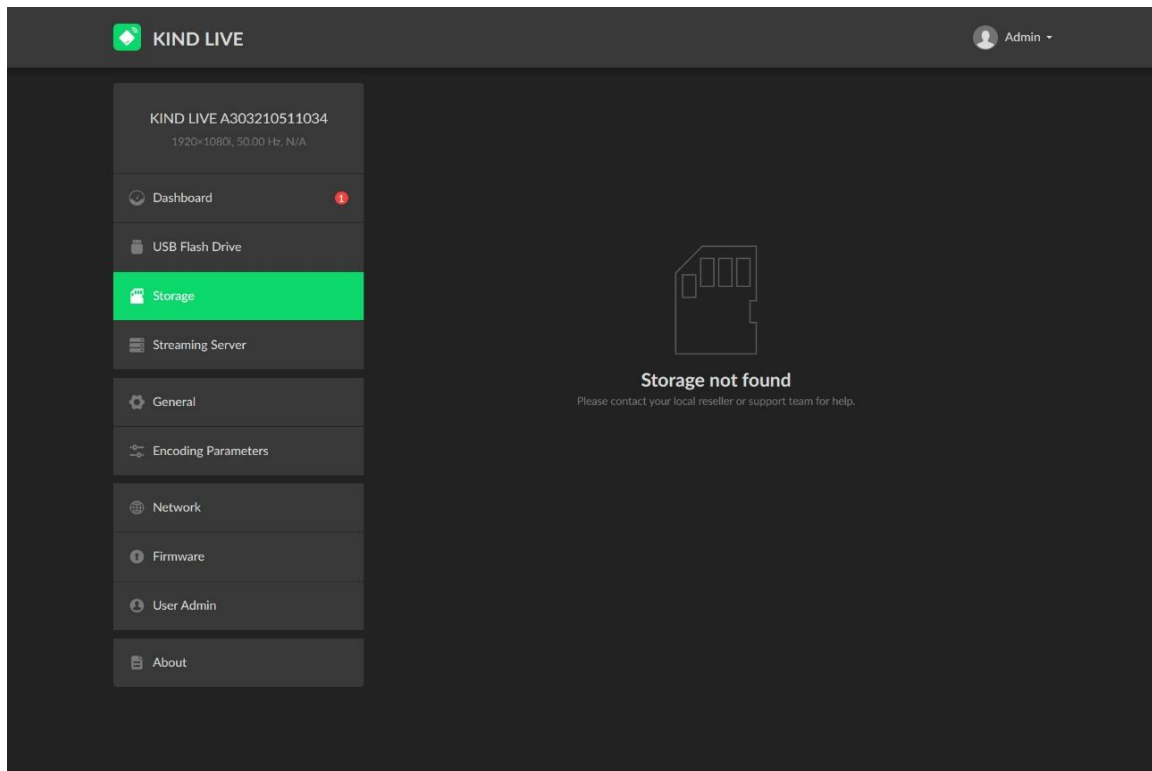**Enable the network on the PC in the LAN**

2、 After entering the background successfully, close the live key to stop pushing and facilitate subsequent Settings
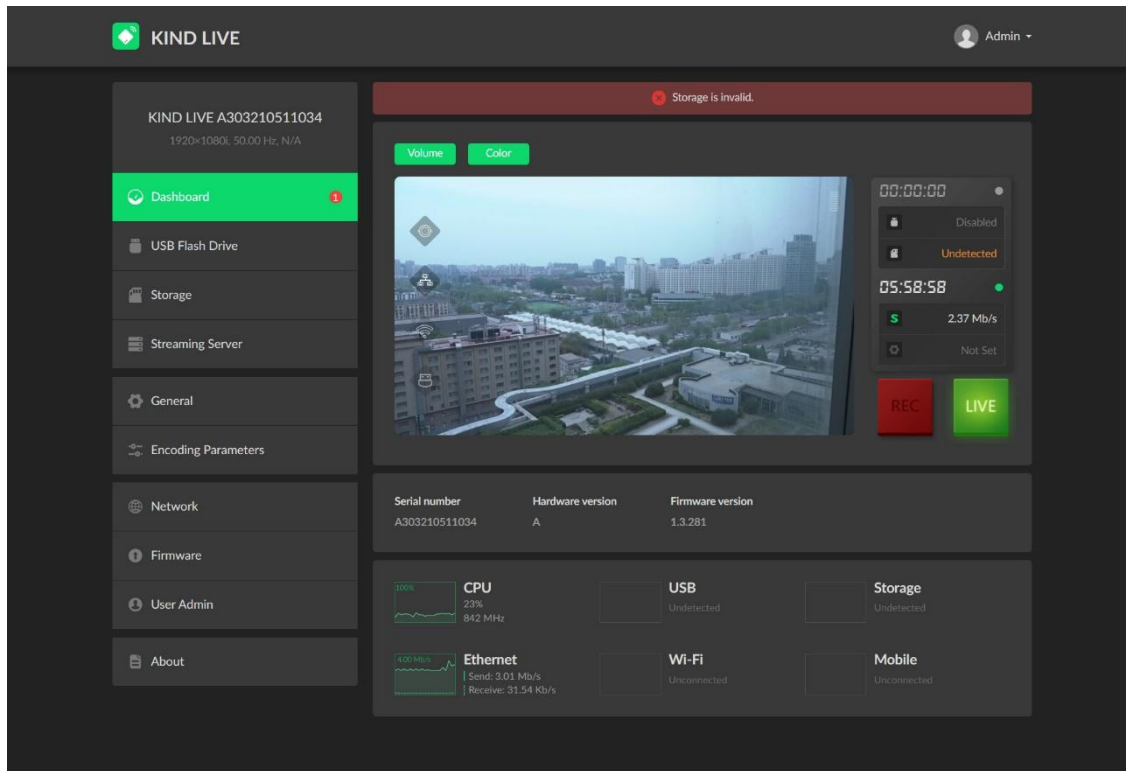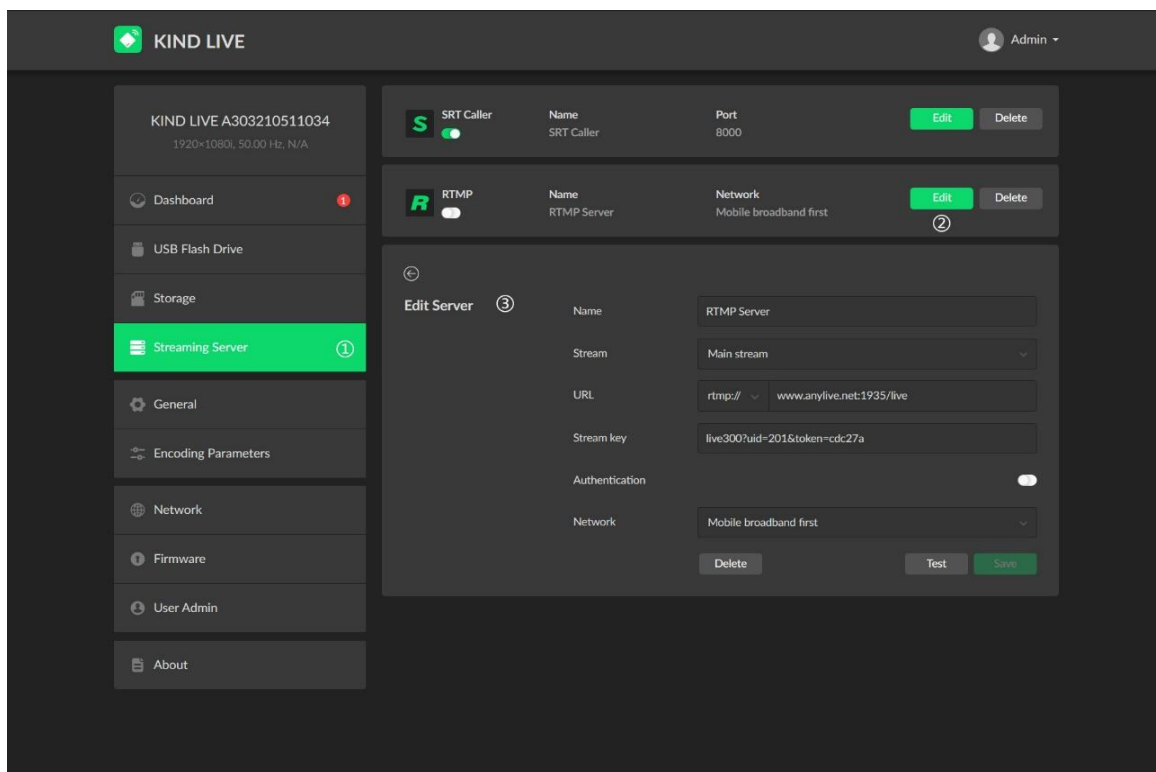

3、 USB external storage device
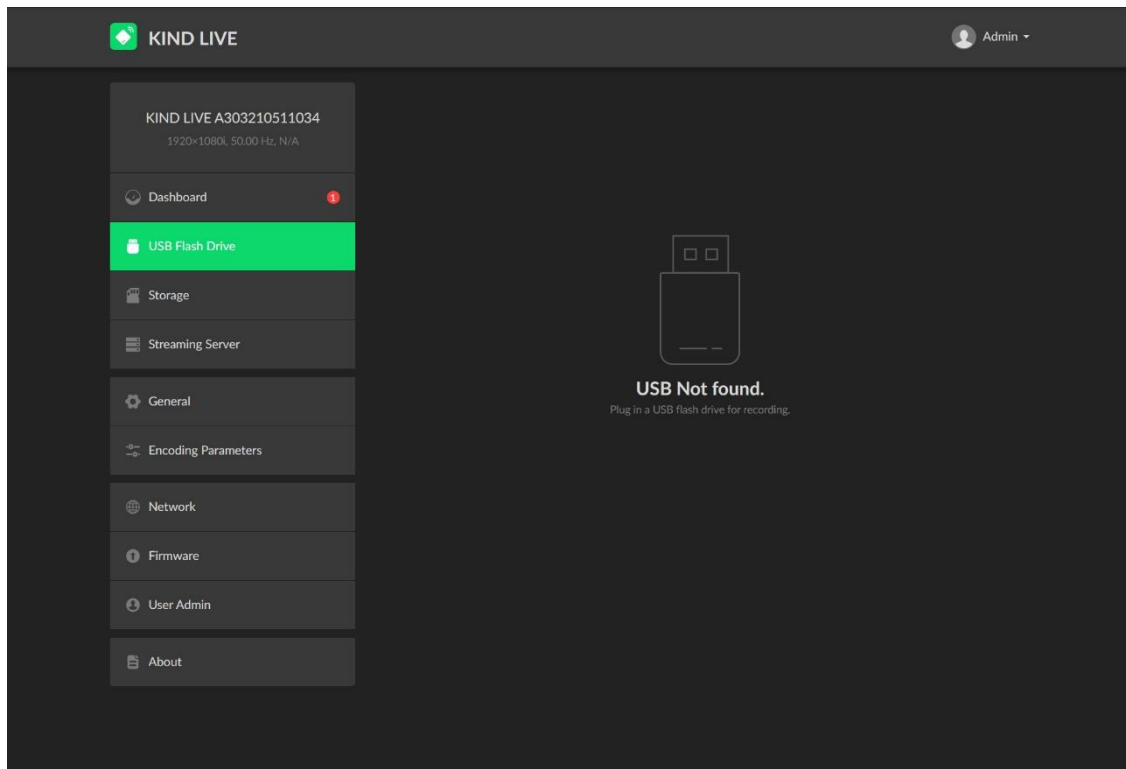
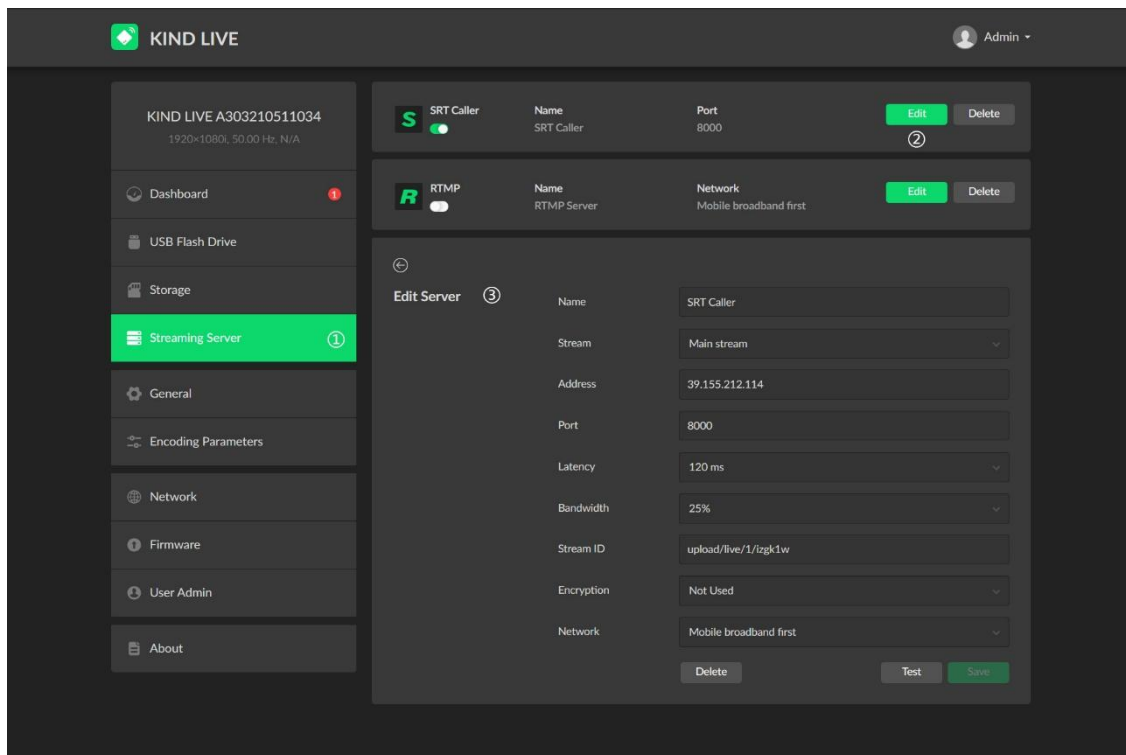4、External SD card storage device (no default setting)

5、Fill in the RTMP control panel push address according to the following steps, and click Test to check whether the connection status is normal

Fill in the relevant address in the SRT control panel according to the steps below. Click Test to check whether the connection status is normal

6、 Recording unit setting interface (can adjust the format and size of USB and SD card video files and other Settings, and can operate the system time and restore factory defaults)

KIND LIVE

Admin ▾

KIND LIVE A303210511034
1920×1080L 50.00 Hz, N/A

- ☁ Dashboard ①
- 🖴 USB Flash Drive
- 🖴 Storage
- ☰ Streaming Server
- ⚙ General
- ⚏ Encoding Parameters
- 🌐 Network
- ⓘ Firmware
- ⊖ User Admin
- 🗎 About

Device Name

Change the device name to any other name you like.

KIND LIVE A303210511034

Save

Mobile App

Settings is used to control whether you can modify the configurations of the device using the KIND LIVE application on your phone.

Passcode is used to change the password for pairing the device and the KIND LIVE application.

Settings ⬤

Passcode ⬤

Change Passcode

Recording

Support to record to USB or internal storage. Loop recording writes videos to the internal SD card in segments. It allows to overwrite old files with new ones. Normal recording writes videos until it is manually stopped or the memory is full.

To USB	Disabled
To storage	Normal
Video type	mp4
File path	REC_Folder
Filename prefix	VID
Duration	30 Minutes (478.13 MB)

Save

AP

Connect via AP mode, if there is neither a Wi-Fi nor an Ethernet network in your working environment.

SSID	A303210511034
AP password	10511034

Save

Date & Time

Set proper time for your streamer to live and record.

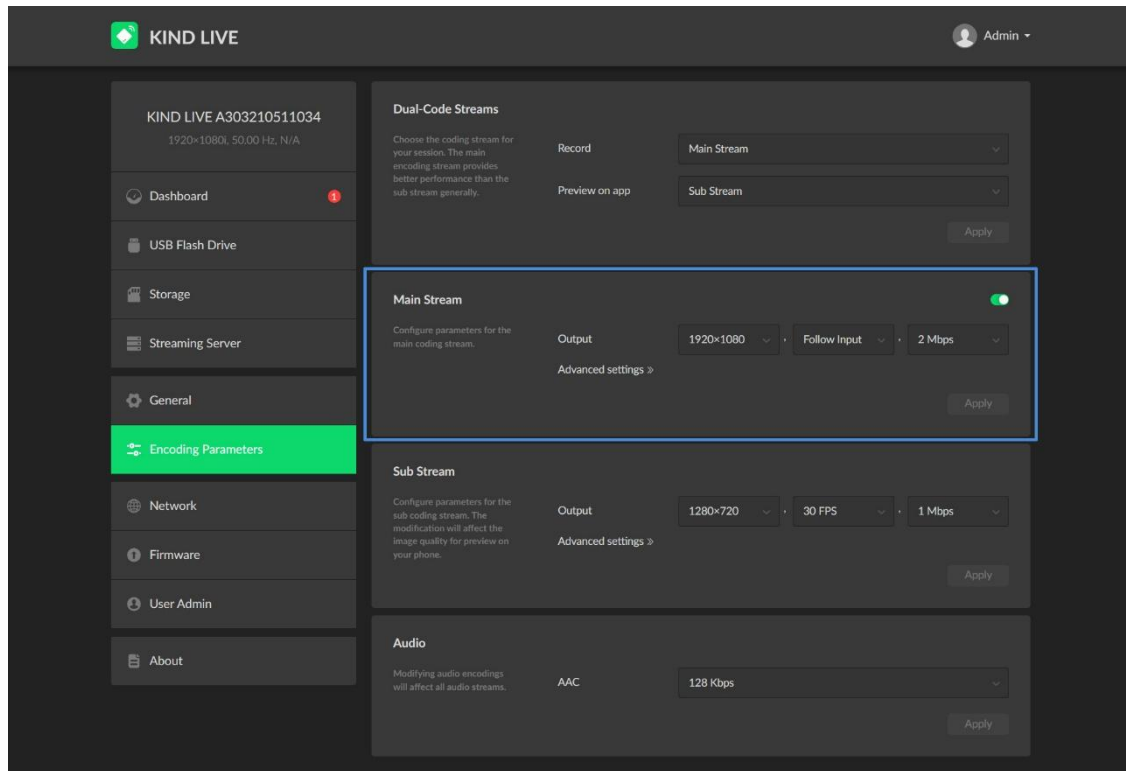|	
Time zone	Asia/Shanghai
Set time automatically	⬤

Save

Reset

Reset all settings will cause all configurations to return to the default value.

Reset all settings

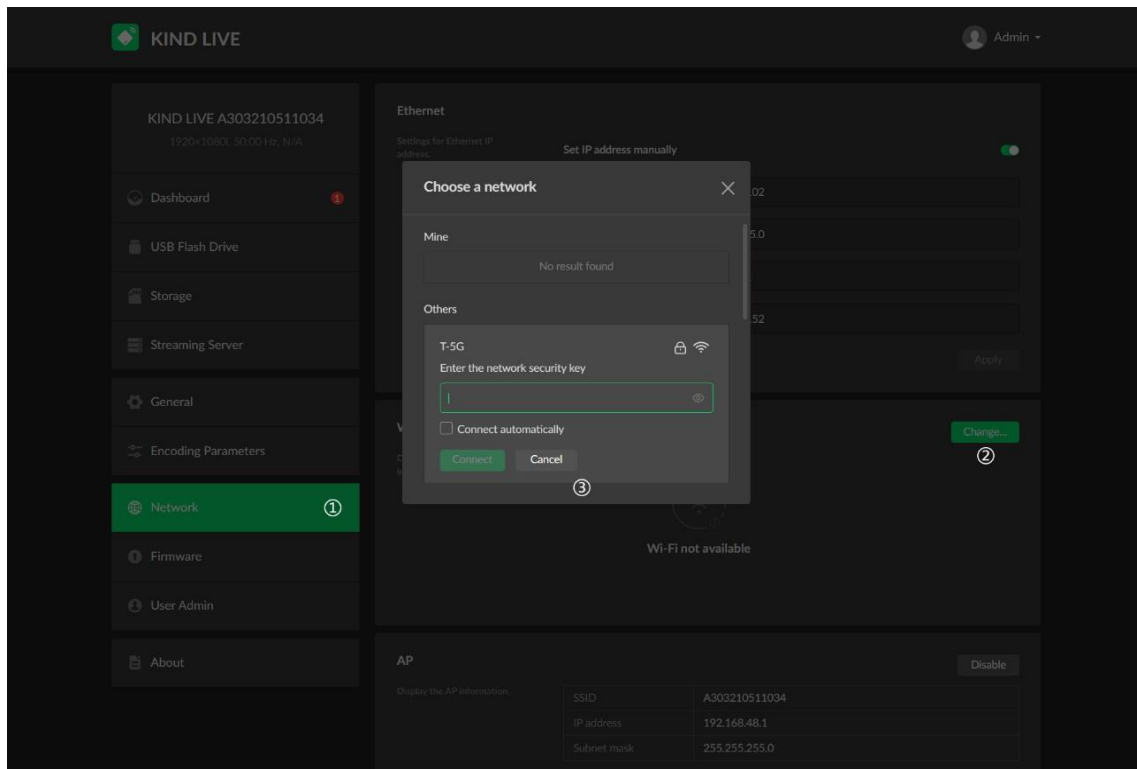Reboot will shut device down and then start it again immediately.
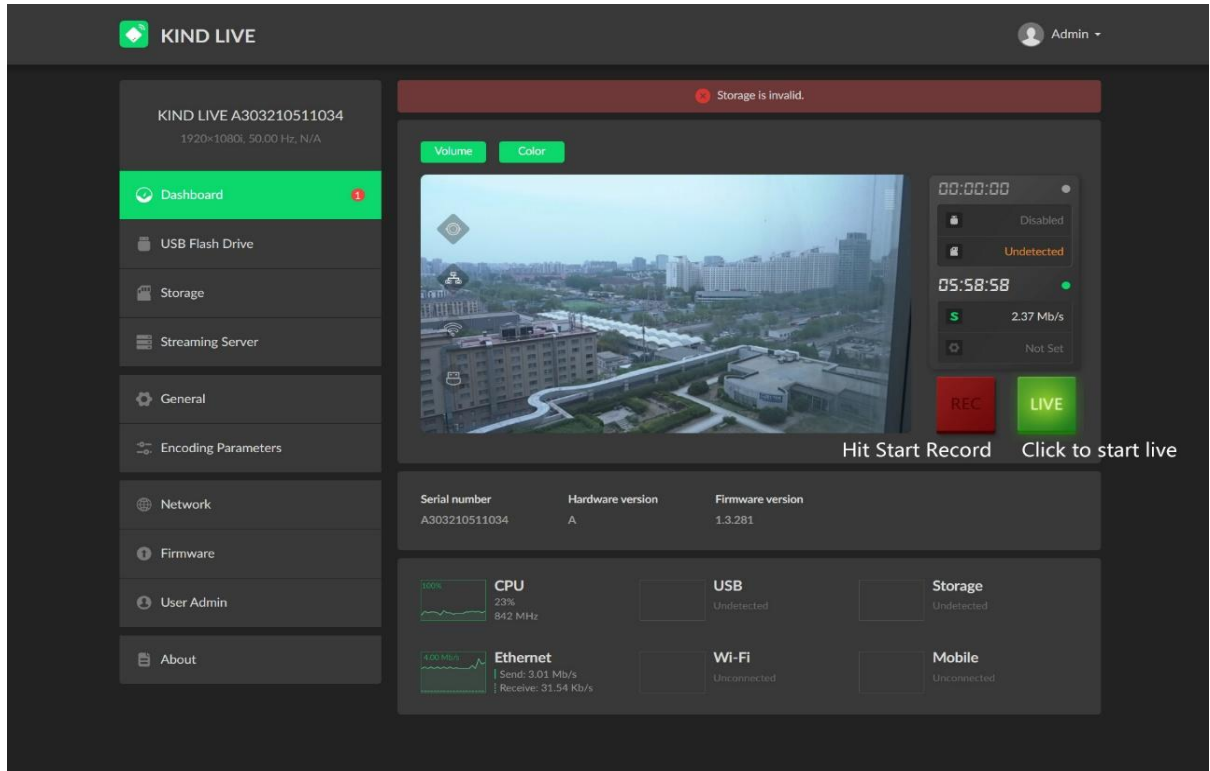
Reboot the device

20

7、Transmission Settings adjustable video resolution, bit rate, frame rate

8、Wi-Fi Settings

9、After the setting is complete, start the live broadcast and recording

八、Contact us

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