



## **User Manual for the Bee3 Plus Recording Processor**

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SZ Reach Tech Co., Ltd. provides customers with all-around technological support. The customers can contact both the local Reach branch and the headquarters directly.

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### **Note:**

read the Manual first for better utilization of the product.

The content of the manual is subject to change without prior notice. As such, please contact us for help if a problem arises with the product. Thank you!

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## I. Overview

### 1.1 What is the Reach Bee3 PLUS?

The reach Bee3 PLUS recording processor is integrated with recording, live play and sharing, dual recording of two screens, automatic switching between pictures (single picture, picture-in-picture and picture-out-picture) and lectures, and the ability to upload recorded content to platforms such as Wowza, Youtube, Facebook, etc. It is a favored product by many people for its convenient and simple ease of use.

### 1.2 Interfaces



No.	Component	Statement
1	ON/OFF	Power Switch, Power on/off
2	DC IN 12V	Power adapter Input
3	HDMI IN 1	Video signal input 1

4	HDMI IN 2	Video signal input 2
5	HDMI OUT	HDMI Local output
6	LAN	RJ45, Network connection
7	USB 3.0	USB 3.0 Port
8	LINE OUT	Audio line out
9	MIC IN	MIC in
10	LINE IN	Audio line in
11	RS232	For 3 <sup>rd</sup> party Control of Bee3 Plus
12	RS485	For Bee3 Plus control of Camera
13	RESET	System Reset

### 1.3 Main Interface

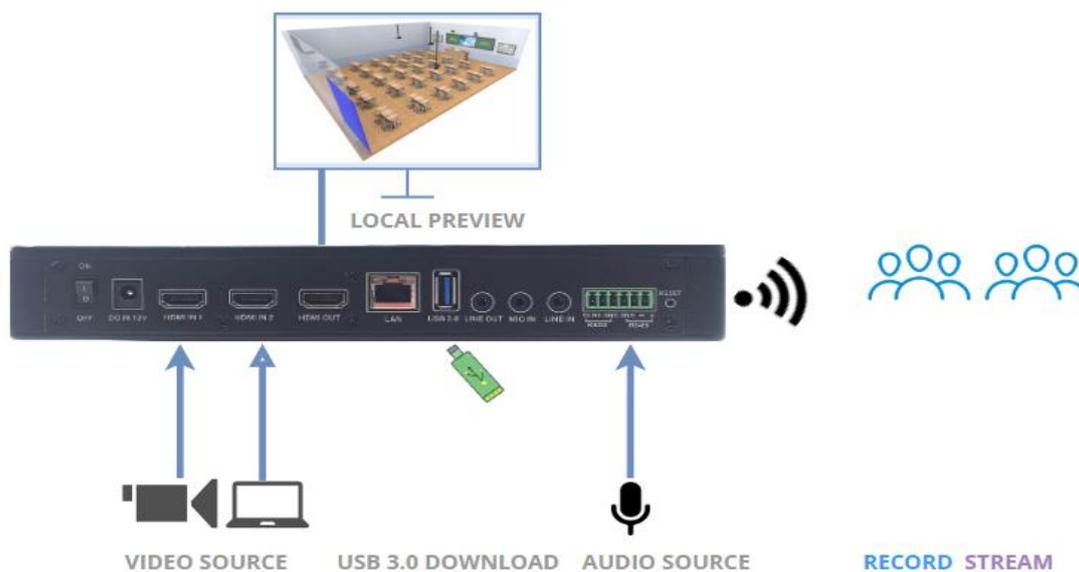


1: Real time Preview

2: Zone for recording: the buttons from top to bottom are Record, Stop, Stream and Play.

3: Zone for controlling: the buttons from left to right are Lock screen, 5 different layout options and the Setting Menu.

## II. Connection Panel & it's Ports



## III. Quickstart

### 3.1 Recording

**Start recording:** Click the “Record”  button on the main interface to start recording.

**Stop recording:** Click the “Stop”  button on the main interface to stop recording.

**Recording time:** Keep track of the length of recording with the  feature at upper right corner of the screen.

## 3.2 Layout Switching



**Layout and channel switching:**

Click the preferred layout option  on the main interface to switch the layout.

Click  or  to choose one video layout (single picture, only A or B channel),

and Click  to switch between screens A and B.

## 3.3 Streaming

Click the  button on the main interface to stream a recorded broadcasting (the streaming parameters must be set in **Setting Menu** before uploading.)

## 3.4 Pause and Replay

Click the  button on the main interface to open **Files** and click to select the video you want to **Play**.  
(A video must be selected in order for this feature to work.)

	Name	Size
1	fee1bd9509bfeba1263a7cf697086215.mp4	1.97M
2	fdffd4aae7e32b31cbaeee97ff66ee97.mp4	4.37M
3	fd50ba4ece2af2ba2ba25f8e5399ed68.mp4	11.21M
4	fcfdc230537c371860af4bdada9c894d4.mp4	12.04M
5	fb11346b0b7ad3e1b97ef4d3168c583b.mp4	3.17M
6	f7a3eae80d9f58465312a8b8fad5cd8b.mp4	11.41M
7	f140936d68b2d87fee88fbe2c00efc56.mp4	5.29M
8	efe27f7ab0c38152507d71e06bf7008b.mp4	1.37M
9	efb8c2480f8b84c04e19b8e3704fcf1e.mp4	0.49M
10	ee18547abfd0a05881ab14f4c63f9030.mp4	1.31M

Delete      Play      Download      Back

Click the forwards or backwards buttons, , in the bottom-right hand corner to choose the preferred file from the video list.

Select a file from the list, , to choose the video file.

Click to delete the video file.

Click to download the video file to USB.

Click to return to the **Main Menu**.

Click to play the video file.



Controls for Video-playing mode are as follows:

Click  or  to switch videos during replay.

Click  to pause the video.

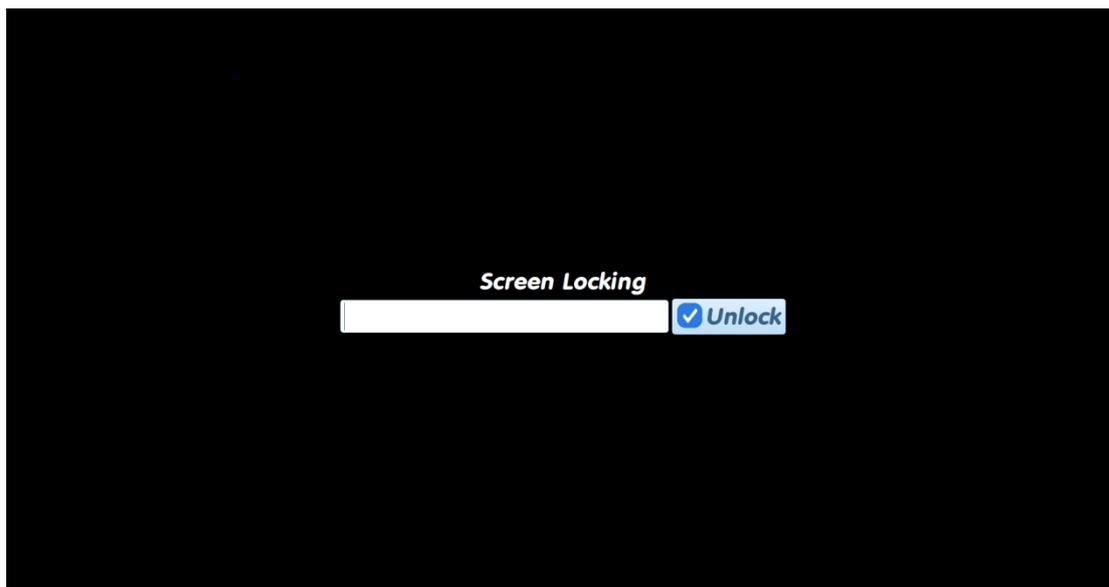
Click  to adjust the volume, currently just support 3.5mm audio output port for volume adjustment.

Click  to stop replay and turn back to **Files** screen.

### 3.5 Lock

After clicking the  button on the main interface, the screen will lock to the settings currently in place. To unlock again, the user will need to login by password, (as shown in below figure).

the default password is **admin**.



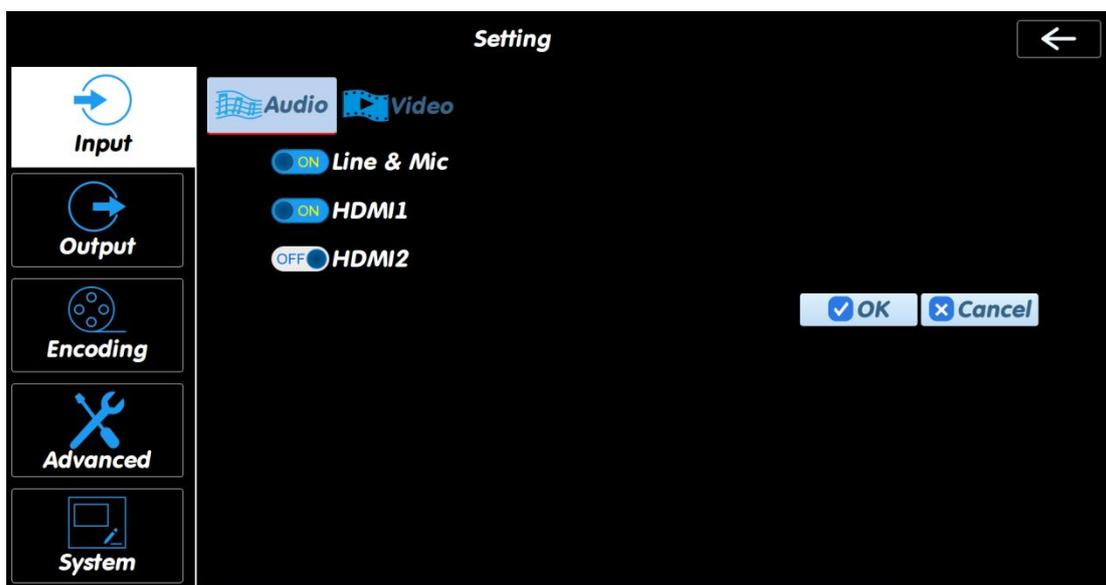
The lock password can be changed in the **Settings Menu** .

### 3.6 Setting Menu

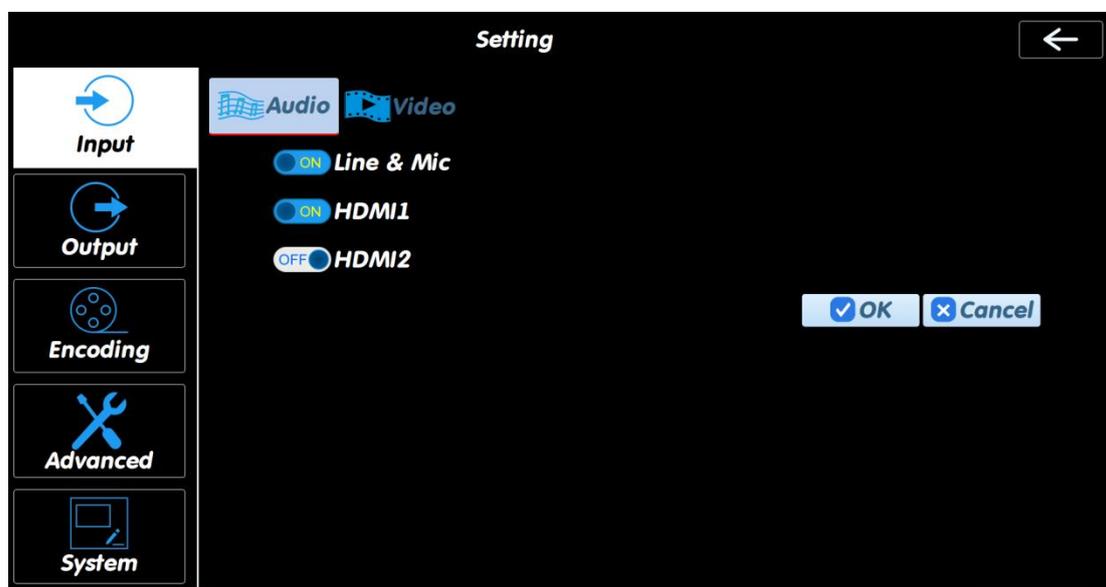
## IV. Instructions (Setting Menu)



Click the  button on the main screen to go to the settings menu.



## 4.1 Input setting



Click  in the setting menu to enter the **Audio** and **Video** settings as shown above.

### 1) Audio



Of the 3 choices, , click the corresponding button for the audio port being used to record and stream. Then click the **OK** button to save the setting.

### 2) Video

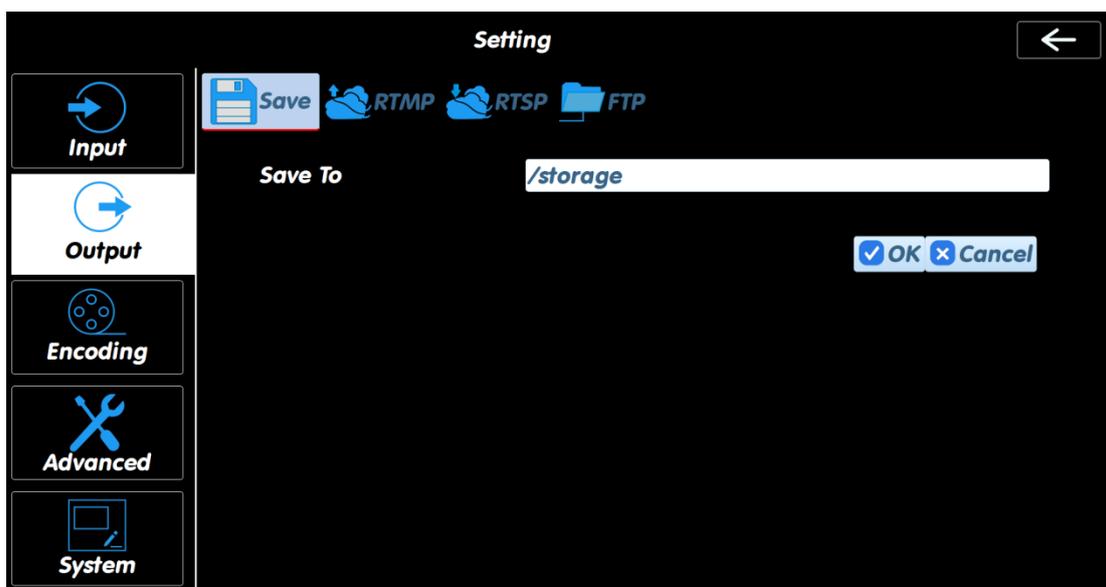
This function will be coming soon.

## 4.2 Output setting



Click  in the settings menu to find the **Save**, **RTMP**, **RTSP** and **FTP** features as shown above.

### 1) Save



Click the save button to store recorded videos.

## 2) RTMP



With the standard RTMP protocol, it is sent to the stream media server that is installed with RTMP protocol (taking LAN as example)

If a machine is installed with FlashMediaServer3.5 with an IP address of 192.168.1.195, the standard IP address under the main stream address or sub stream address could be set as `rtmp://192.168.195/live/main` or `rtmp://192.168.195/live/sub` .

If it is required to start main stream and sub stream at the same time, drag the bar to

the state of .

Please click **OK** button to save the setting at last.

Watching Live:

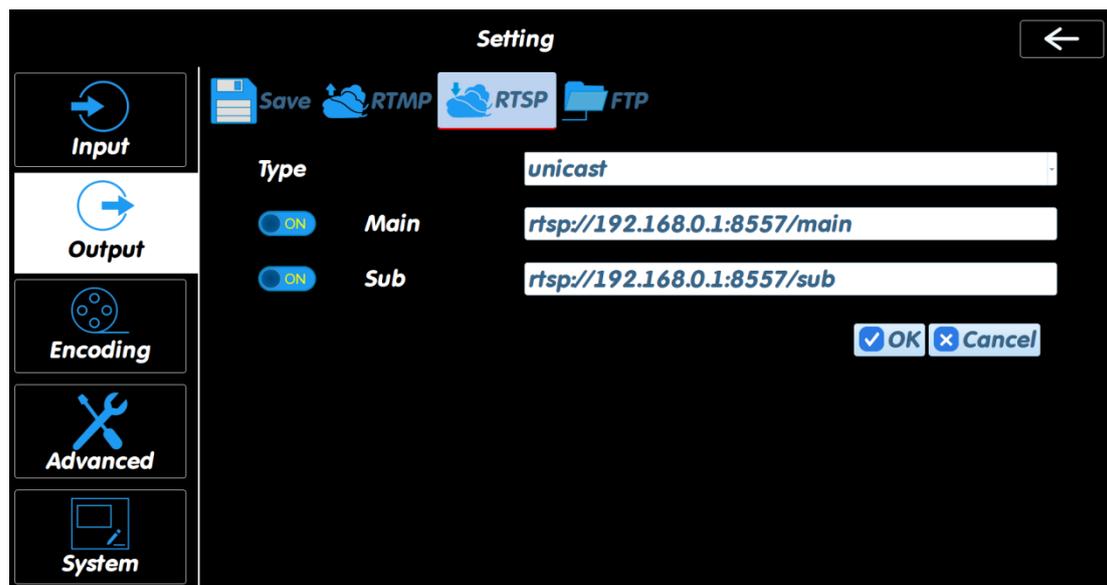
Input “`rtmp://192.168.195/live/main`” in the network steaming of the player.

If the live fails, please check if the address is correct and the network is good with a viable ping value.

If the main stream is selected, the live broadcasting parameter is same as the main stream under **Encoding** setting.

If the sub stream is selected, the live broadcasting parameter is same as the sub stream under **Encoding** setting.

## 3) RTSP



Choose the **Type** of unicast or multicast first, and then turn on the RTSP streaming by



Please click **OK** button to save the setting at last.

Watching Live:

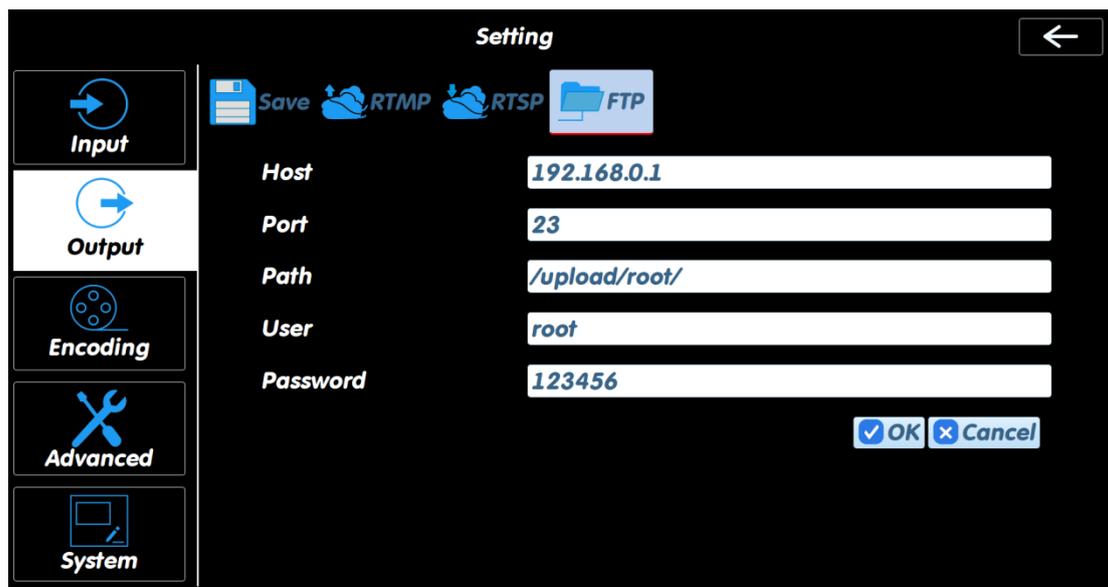
From the setting interface, you can get the RTSP link address, such as , input "rtsp://192.168.0.1:8557/main" in the network steaming of the player (such as VLC Player).

If the live fails, please check if the input address of player is correct and the network is good with a viable ping value.

If the main stream is selected, the live broadcasting parameter is same as the main stream under **Encoding** setting.

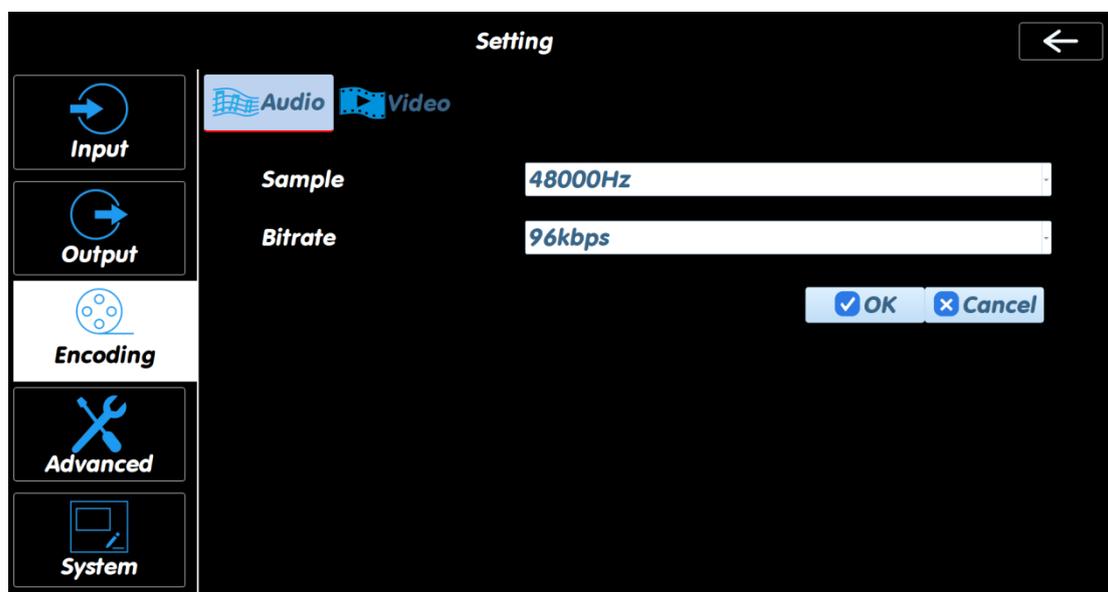
If the sub stream is selected, the live broadcasting parameter is same as the sub stream under **Encoding** setting.

#### 4) FTP

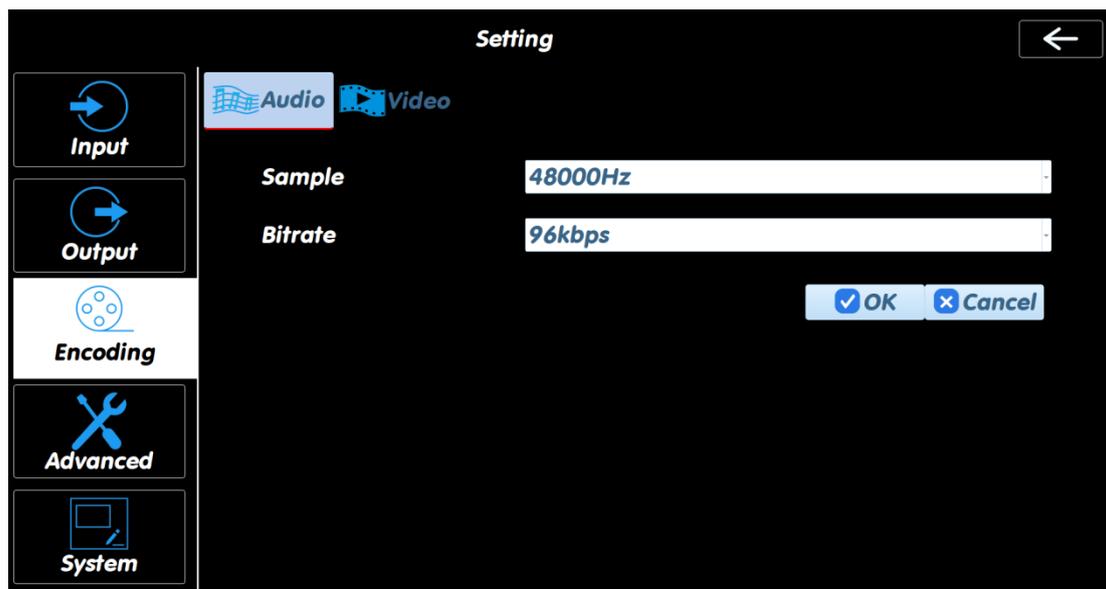


Type in the FTP services information to enable the FTP upload function, and then click **OK** to save the setting.

### 4.3 Encoding Setting

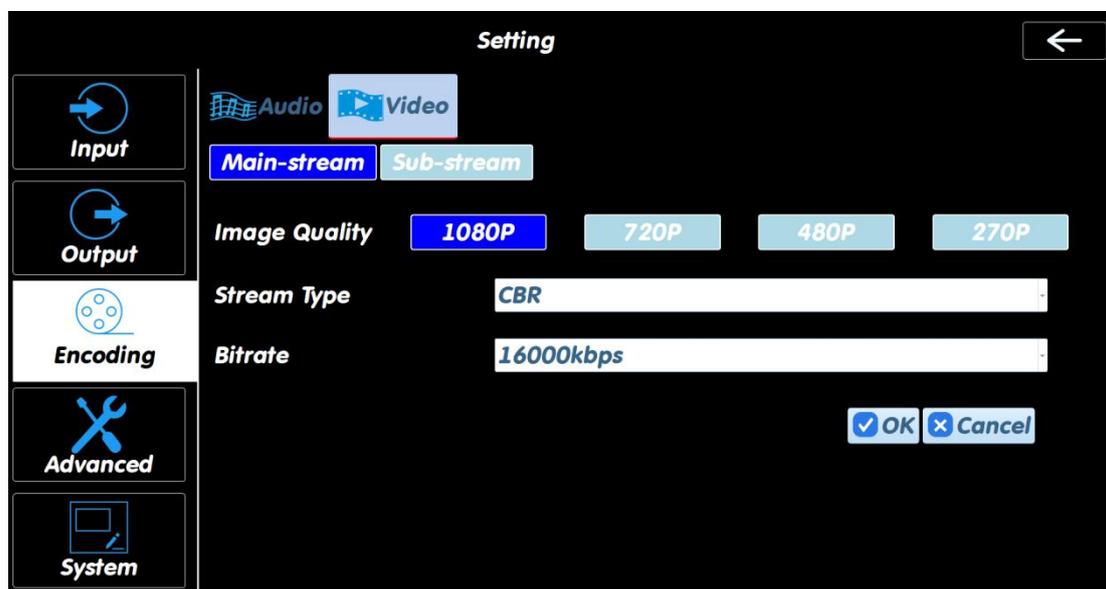


#### 1) Audio



Set the **Sample** and **Bitrate** of audio, as seen in the figure and click the **OK** button to save the setting.

## 2) Video



Click **Main-stream** or **Sub-stream** to choose a Streaming and Video Quality option for streaming and recording.

**1080P**, **720P**, **480P** and **270P** are the four choices for Image Quality and set the resolution ratio for Streaming and Recording as well as the Stream Type and Bitrate as the figure.

Stream Type:

CBR: Constant Bit Rate

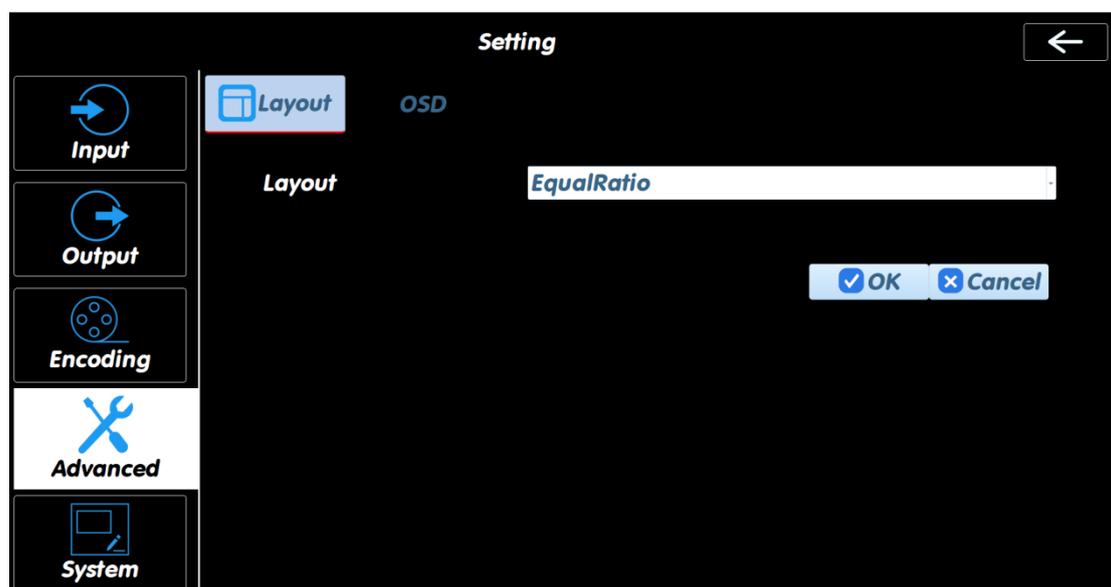
VBR: Variable Bit Rate

CVBR: Constrained Variable Bit Rate

Click **OK** button to save the setting.

## 4.4 Advanced

### 1) Layout



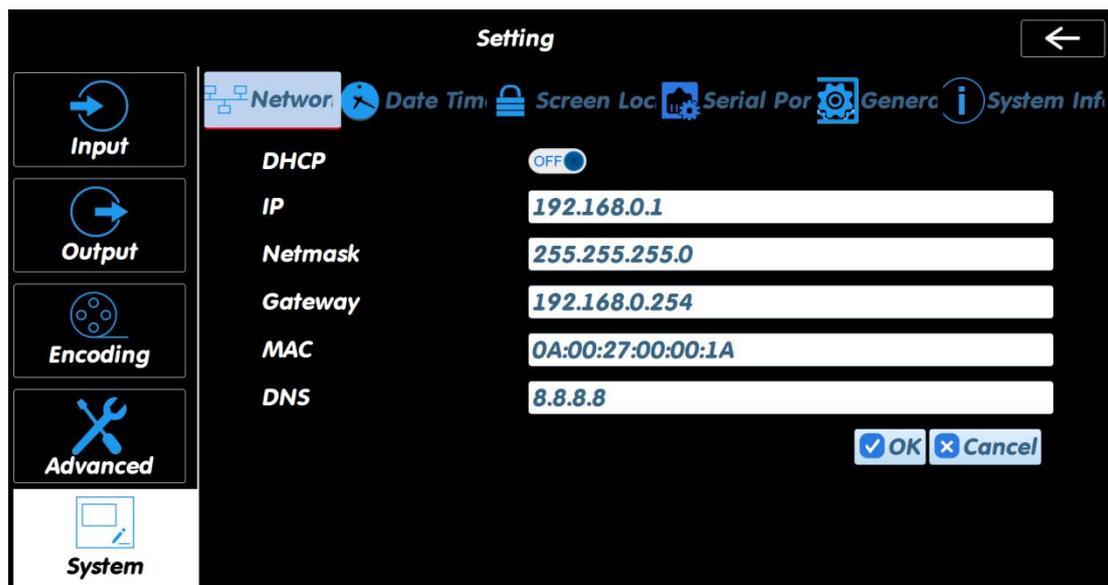
Choose between the **EqualRatio** and **Stretch** options for the layout, and click **OK** to save the setting.

### 2) OSD

This function will be coming soon.

## 4.5 System

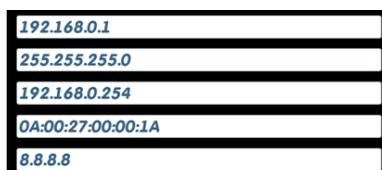
### 1) Network

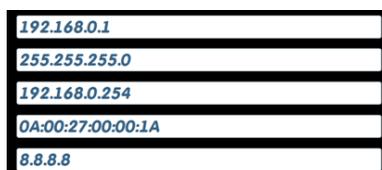


Here you can set the IP address, Gateway, DNS, etc. for the network settings.

Reference the picture above for the following - .

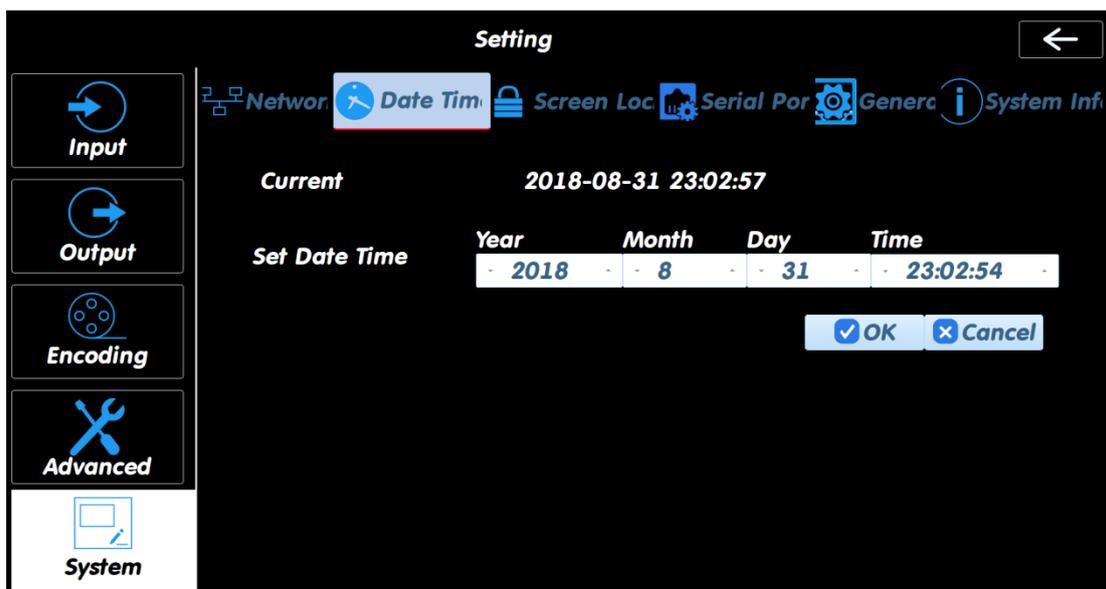
When  is OFF:



Click  to input the IP address, Gateway and DNS manually and then click **OK** to save the setting.

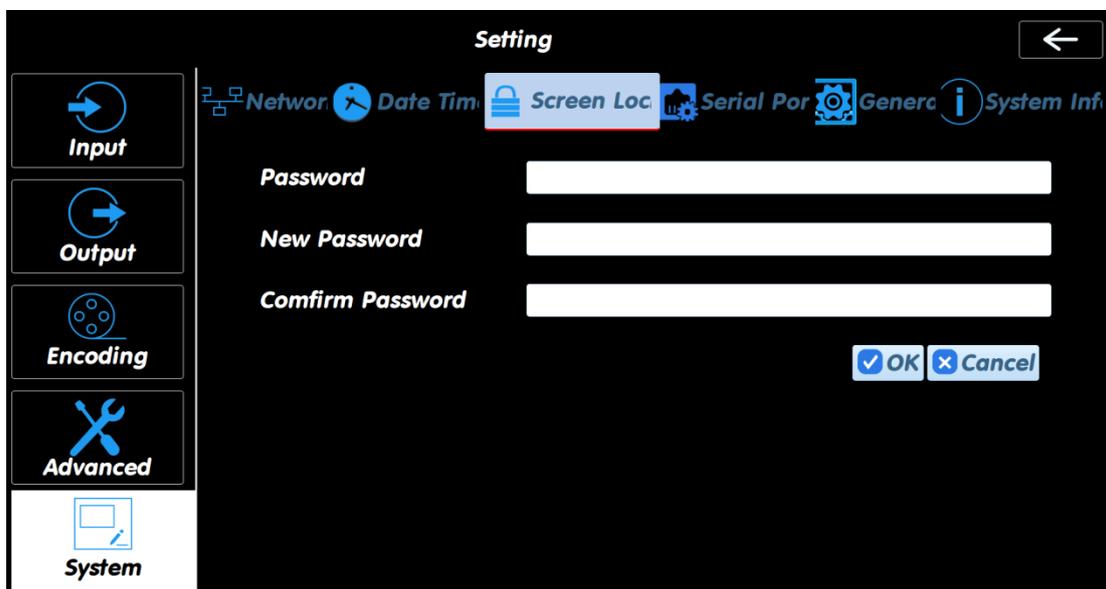
Slide the bar  to ON to obtain an IP address automatically.

## 2) Date Time



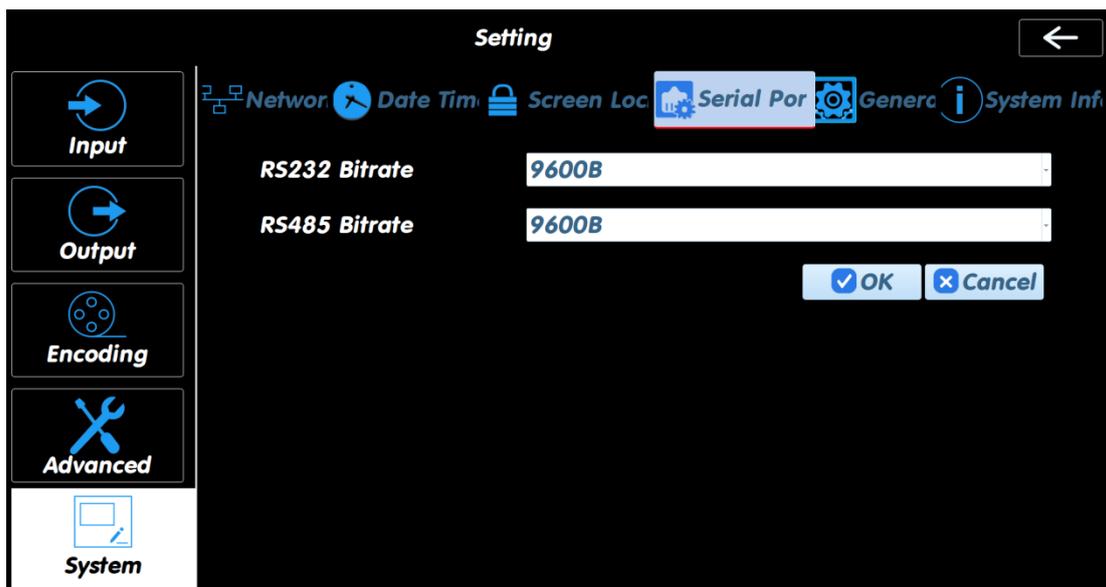
Click the "Up" and "Down" buttons to set the time or date and then click **OK** button to save the setting.

### 3) Screen Lock



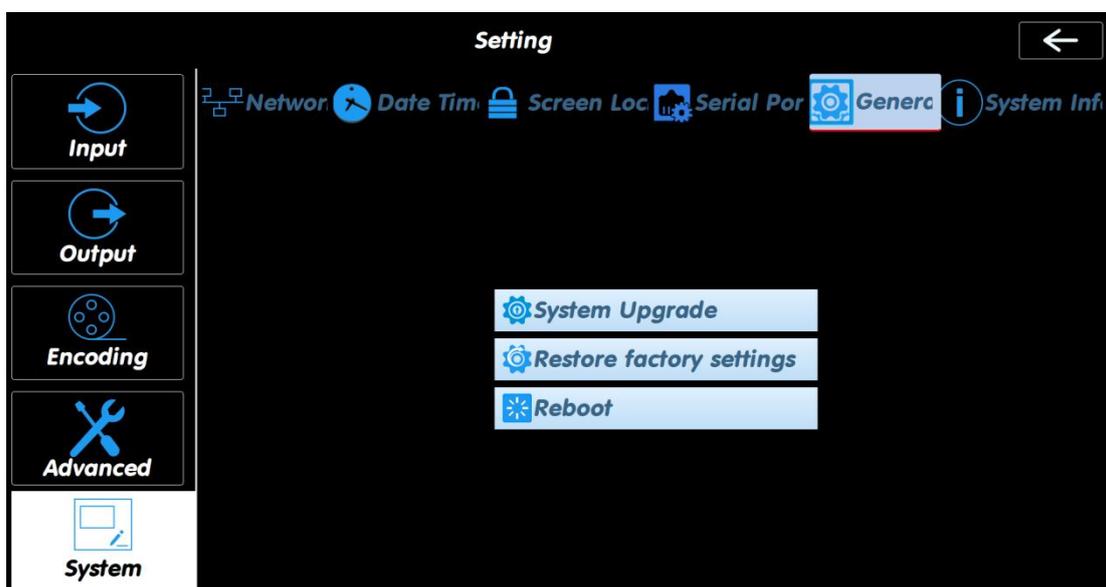
Type in the old and new passwords, and then click **OK** button to change the lock password.

### 4) Serial Port of RS232 and RS485



It is recommended to set them in default.

## 5) General



### System Upgrade

Downloading updates by USB can be done here, but is currently unavailable. Instead, you can upgrade the newest version by Web. Type in the Web address to the Browser, and then choose the upgrading file to download it.

The Web address is <http://192.168.1.100:8088/cgi-bin/update.cgi>

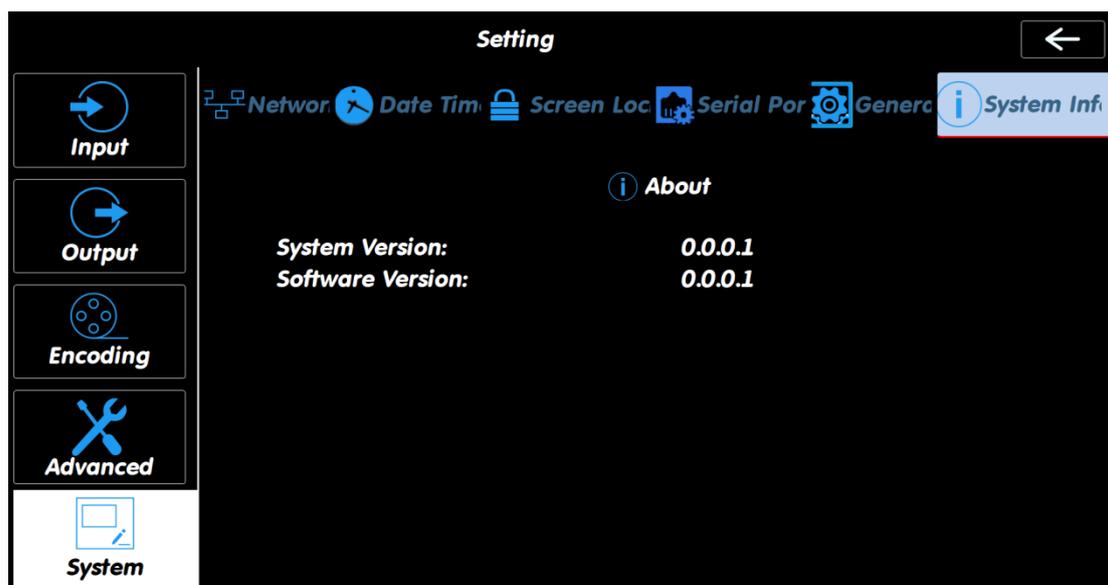
## Restore factory settings

This function is currently unavailable

## Reboot

To reboot the system, click the Reboot button once.

## 6) System Info



You can find the system information in here, and is very important for any aftersale services.

Also, you can see if the software is up to date here.