



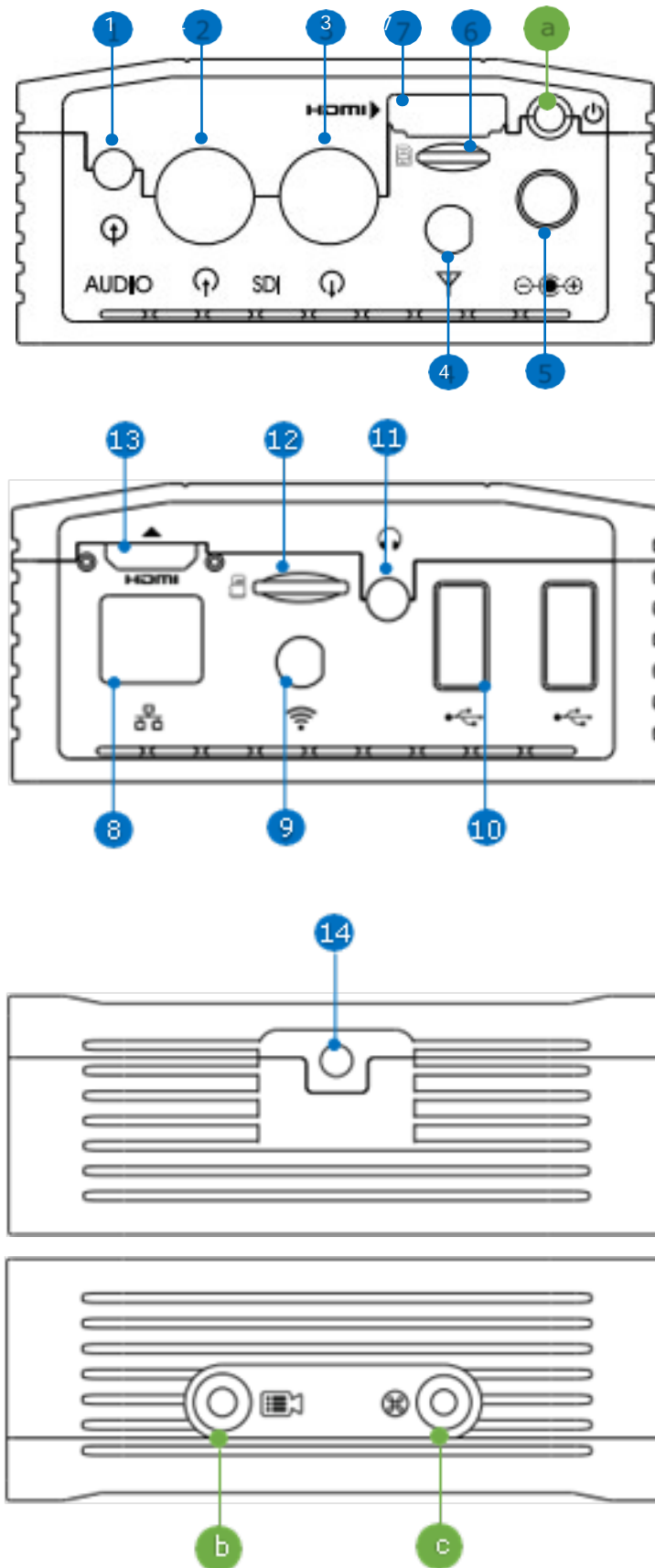
High Definition Bonding Live Streaming Encoder

Quick Start Guide

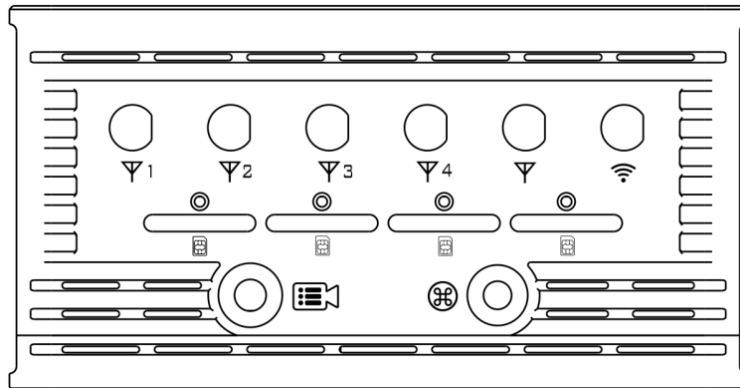
Zowietek Electronics, Ltd.

Revision	K2.0-A2.5x
Release	2020-07-28
Product	30411-XXX

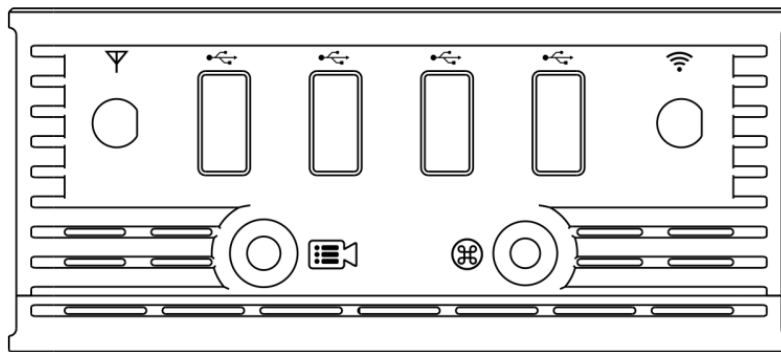
1. Connections



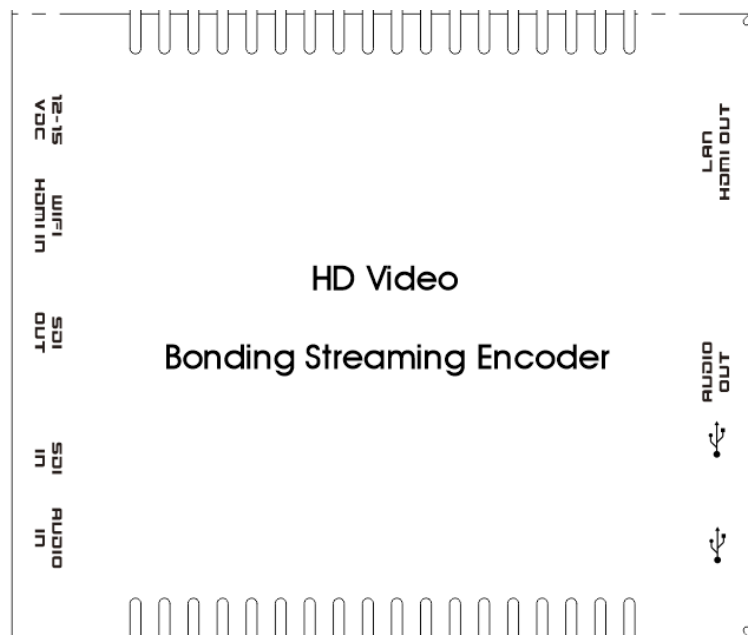
LiveV200 TOP




















LiveV330/350 TOP



Live310 TOP



Live210 TOP

No.	Name	Icon	Description
1	Line In		Stereo audio input.
2	SDI Input		Connect up to SDI signal.
3	SDI Loop Out		Connect a SDI cable from this connector to a monitor or projector.
4	SMA Connector		Connect to Internal 4G LTE antenna.
5	DC Power Connector		Plug the power supply in here. The port requires a 15V DC power source (center-positive).
6	SIM card slot		Built-in 4G, Plug the NANO SIM card in here.
7	HDMI Input		Connects HDMI and DVI signals (using an adapter).
8	RJ-45 Ethernet		Ethernet network port.
9	WIFI Connector		Connect to WIFI antenna.
10	USB Connector		Connect to USB WIFI Dongle.
11	3.5mm Audio Output		For audio confidence monitoring. Plays the audio for the currently visible channel
12	TF Card Slot		Plug the TF card in here.
13	HDMI Loop Out		Connect a HDMI cable from this connector to a monitor or projector.
14	Hot Shoe Mount		Mount LiveV200 to camera
a	RED Power Button		Press to turn on encoder. Press and hold more than 5 seconds to turn off.
b	Stream LED Button		Press to start/stop a streaming. Solid Red - Streaming is live and online. Flashing red – No network connection, try to go live. Light Off - Streaming is offline
c	QR Code Gray Button		Press to Display/Hide QR Code on LCD Screen
Note:		LiveV200 has an internal rechargeable battery, so please keep it turning off and charging until fully charged when users first use it. This is required only for the first use. When battery is fully charged, Stream Button LED will go out	

2. Screen Display

If LAN, WIFI, 4G network are connected, the screen will display all of the network information.




No.	Description
1	The IP address of LAN network
2	The IP address of wireless network
3	HDMI signal input, Display Resolution and Frame Rate of HDMI inputs
4	SDI signal input Display No Signal when the no SDI input or SDI connection fail
5	Display LAN when the LAN connection is successful Display uplink speed of LAN when the LiveV200 using LAN as streaming network
6	Display the WIFI SSID when the WIFI connection is successful Display 0 kb when the WIFI is not involved in streaming
7	Display the Operator when the Built-in 4G connection is successful Display 0 kb when the Built-in 4G is not involved in streaming
8	Display the Operator when the External 4G connection is successful Display 0 kb when the External 4G is not involved in streaming
9	Streaming Mode: Normal (Single) or Bonding
10	Streaming Icon and Video streaming bit rate The Streaming Icon disappears and display 0 kb when the streaming is offline
11	Battery Level and Battery percentage

12	Time
13	Power Off
14	Hide / Display desktop Hide / Display text and icons on the LCD screen
15	Lock / Unlock screen
16	Video Collage Customize layout, SDI and HDMI dual-channel seamless handover, Picture in picture
17	Menu Setting

3. Quick Start Guide

Please follow following steps for quick connection guidance of the encoder.

Step 1. Make the Power Adapter plugged.


Step 2. Press the  **RED Power** button on the left of encoder to turn on the system.

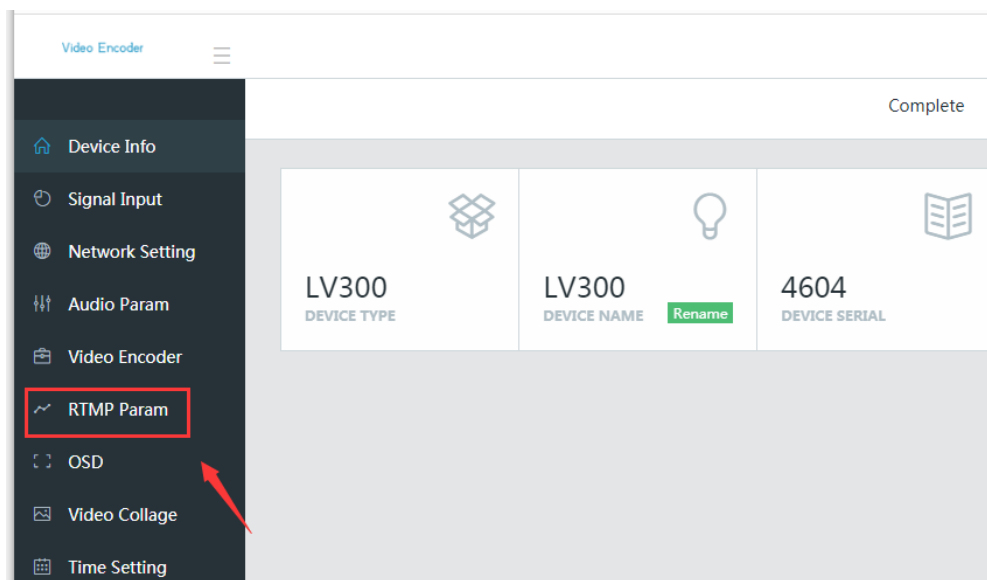
Step 3. Turn on your camera or video source and connect the output to corresponding connection of the encoder.

Step 4. Connect encoder to Network.

Encoder allows you to connect multiple ways. Find brief descriptions of these modes below.

LAN mode

Connect RJ-45 Ethernet cable from the LAN port to the router. The IP address() of the encoder will show on the LCD once connected to LAN or WIFI, users can enter the IP address into the address bar of the web browser on PC or phone, and then the encoder Web Control User Interface will be shown as follows. In this example, the IP address is “192.168.1.118”.



Step 5. After clicking the **“RTMP Param”** option on the left column of the web control UI, please fill in **“RTMP Address”** and click **“Confirm”** button to apply the setting.

The screenshot shows a web control UI for RTMP parameters. At the top, there is a 'Complete' status indicator and a 'Refresh' button. Below this is a 'Stream List' section. The main configuration area contains the following fields:

- Enable:** A green toggle switch labeled 'ON'.
- Connection Status:** Displays 'Connected'.
- Model:** A dropdown menu with 'Single' selected.
- Stream Network:** A dropdown menu with 'Default' selected, accompanied by a refresh icon.
- RTMP Address:** A text input field containing the URL 'rtmp://pub.ushitv.cn/watch/a1923s88ee534a'.

At the bottom of the configuration area is a green 'Confirm' button.

RTMP Address

Step1. Please login your video streaming provider account.

Step2. Find **rtmp url** or **server url** usually in ingestion area

Step3. Find **stream key** in the same section

Step4. Copy, paste and combine **rtmp url** and **stream key** to RTMP Address setting section of encoder.

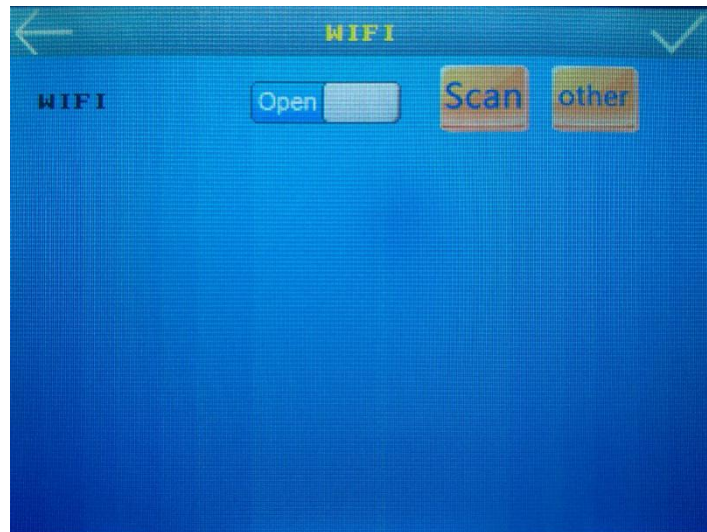
NOTE:

Don't forget click the confirm button to apply and save the setting.

WIFI mode

There are four ways to connect WIFI. Make sure that WIFI Antenna is connect to encoder, device will connect to the WIFI automatically.

1. On LCD, please switch the **“WIFI”** button is **“Open”**, then the user can press the **“Scan”** button, find WIFI name and connect it.
2. Or press the **“Other”** button, then input WIFI SSID and Password to connect a network, and don't forget to click **“√”** in the top right corner to save and apply it.



3. On Web, click “Network”==>”**Built-in WIFI**”, after clicking the “**scan**” button, find WIFI name and connect it.

4. After clicking the “**Manual Input**” button, please enter WIFI “**SSID**” and “**Password**” to connect a network.

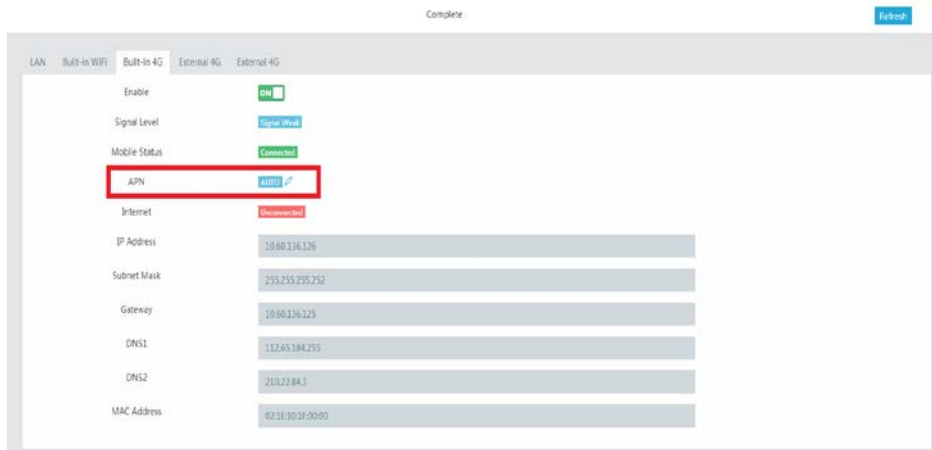
If connect success, the information about the WIFI will be update after clicked “**refresh**” button.

Complete Refresh

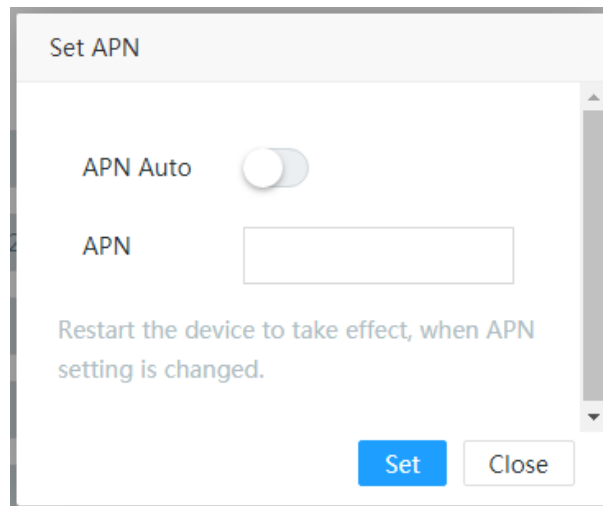
LAN	Built-in WIFI	Built-in 4G	External 4G	External 4G
Enable	<input checked="" type="checkbox"/>			
Scan WIFI	Scan			
Signal Level	Signal Very Good			
Link Status	Connected			
Internet	Connected			
IP Address	192.168.1.77			
Subnet Mask	255.255.255.0			
Gateway	192.168.1.1			
DNS1	192.168.1.1			
DNS2	192.168.1.1			
MAC Address	6C:21:A2:4A:70:58			
Manual Input	<input type="checkbox"/>			
SSID				
Password				
RTSP Stream Address	rtsp://192.168.1.77/channel1			

Built-in 4G

Plug SIM card and connect antenna to encoder, this page provides users to choose whether to enable built-in 4G network. The default 4G option is selected to be enabled.



APN setting: After clicking the pen icon in the red mark box on above picture, turn off “**APN Auto**” and fill in “**APN**”. Please ask your network operator or search online to find the APN of your 4G LTE network. When the APN setting is changed, don’t forget to restart the device to take effect.



External 4G

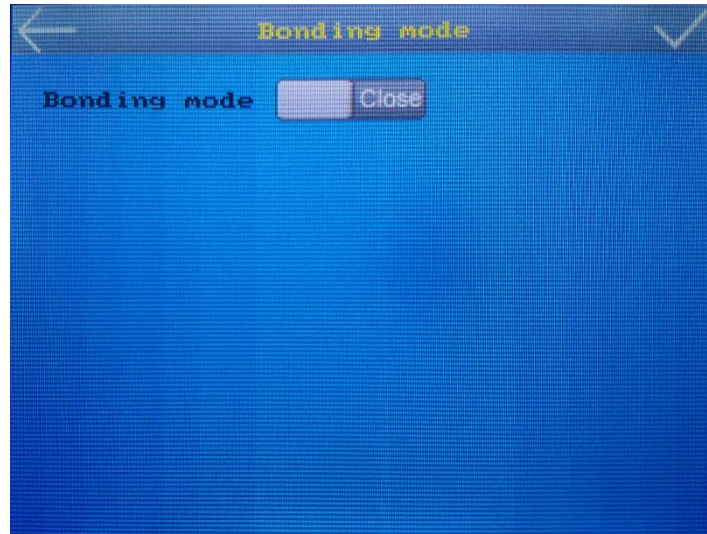
Plug USB 4G Dongle into the encoder, device will connect to 4G net automatically. **E8372H** and **MF833V 4G LTE dongles** recommend.

NOTE:

- SIM don’t support hot-plugging, so turn off the unit before plug.
- When WIFI connection setting is complete, don’t need to set up again unless users want to connect to another WIFI.

Bonding mode

1. On LCD, after clicking “Live”, you can turn on/off network bonding mode.



2. Another way, after clicking the “RTMP Param” option on the left column of the web control UI, the “Model” is selected as “Bonding”, the device will bonding multiple connected networks as stream network. Furthermore, the encoder supports up to 9 RTMP Address streaming simultaneously in this model.

Last, please fill in “RTMP Address” and click “Confirm” button to apply the setting.


Complete Refresh

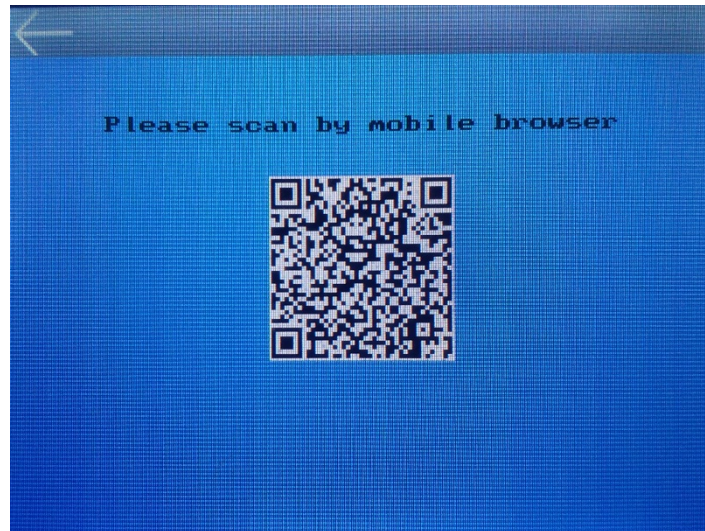
Stream List

Enable	<input checked="" type="checkbox"/> ON
Connection Status	Connected
Model	Single
Stream Network	Default
RTMP Address	rtmp://pub.ushitv.cn/watch/a1923s88ee534a

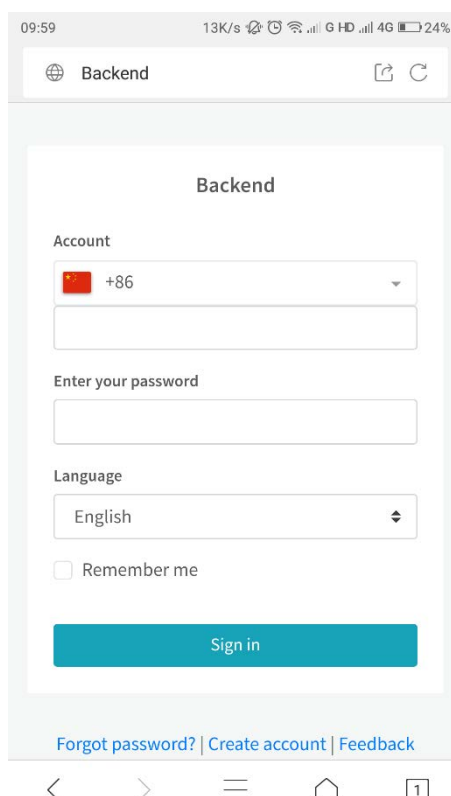
Confirm

4. Mobile-Phone Backend Setting

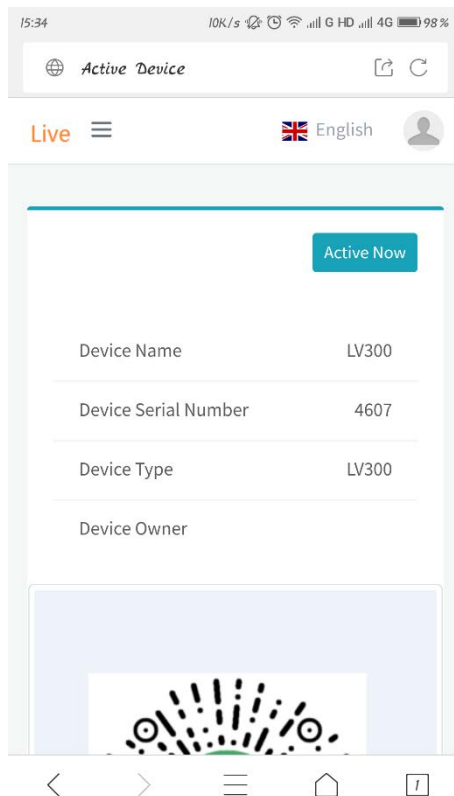
If you are not carrying or inconvenient for using your computer, you can also choose to configure your encoder by using your phone's backend settings. Please press  **“QR Code”** button on the top of the device to show the QR code at first, in another way, you also can find QR Code in **“Menu/Setting—QR Code”**.



LiveV210's QR code is at the back of the encoder. Please scan the QR code with your mobile phone and enter the user interface as shown below. If you don't have an account yet, please click **“Create account”** at the bottom of the picture to create your own account.



After logging in to your personal account and entering the interface as shown below, at first, please click on **“active now”** to bind the device to your account. Next time you can find your device in the list of personal devices.



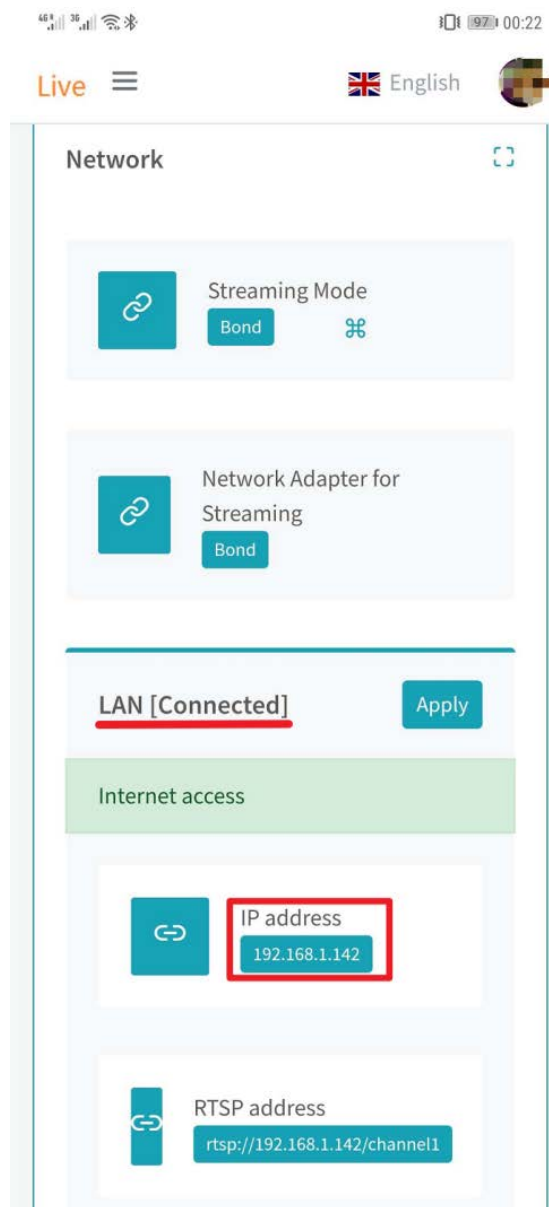
Once you registered your account, you can also login your account at xx.livevbond.com on PC to set encoder. xx could be in, eu, us, au, cn etc. depends on your encoder country or area.

NOTE:

- **Make sure connect a RJ45 network cable to the LAN port of encoder.**
- **Make sure the encoder connected to Internet before go ahead at the first time.**

Find LAN IP address for LiveV210

LAN IP address of LiveV210 can be found here in red box, then you can visit this IP in browser for advanced feature settings once having it. If LAN [Connected] does not show in this screen, that means the encoder does not connect to LAN or the LAN is not online. Please check connection and Internet.



If you want to know more, you can download the user manual at this link:

<https://www.zowietek.com/uploads/PortableBondedEncoder/UserManual3.1.pdf>



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