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zowieTek LiveV400 High Definition Bonding Live Video Streaming Encoder User Guide

Contents

zowieTek LiveV400 High Definition Bonding Live Video Streaming Encoder

What's in the box

- LiveV400 unit
- USB TYPE C Travel Charge
- Type C cable
- 4 x 5G Antenna and 2 x 4G Antenna for LiveV400 (5G version); 3 x 4G Antenna for LiveV400 (4G version)
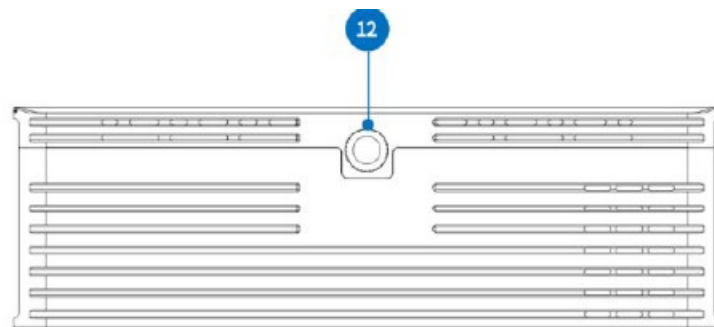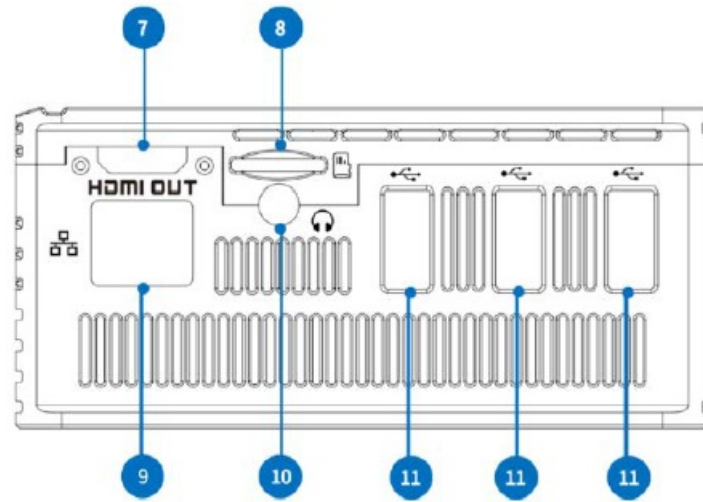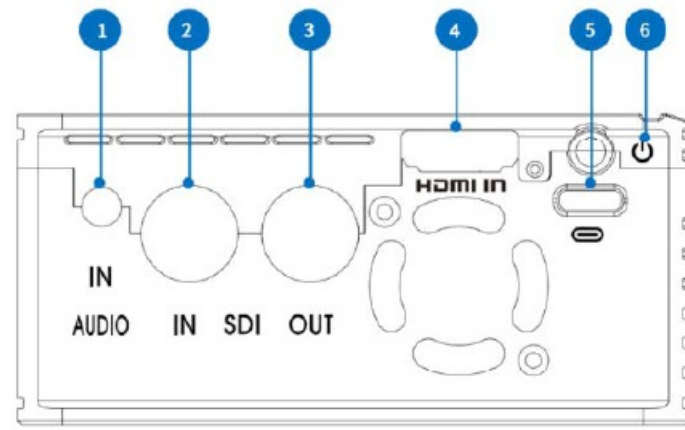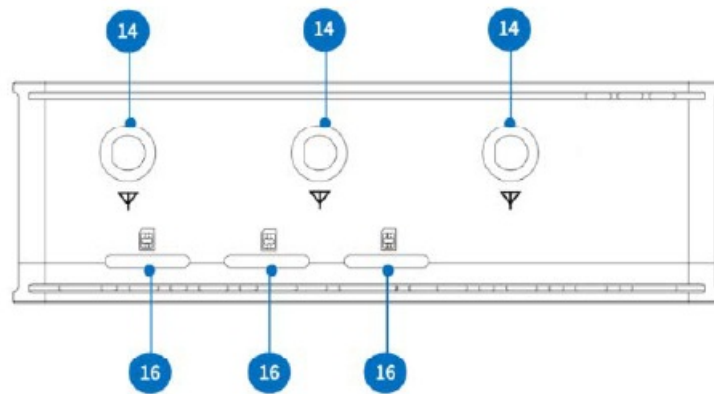- Hot shoes
- Carry Bag
- USB 4G Dongle (Optional)

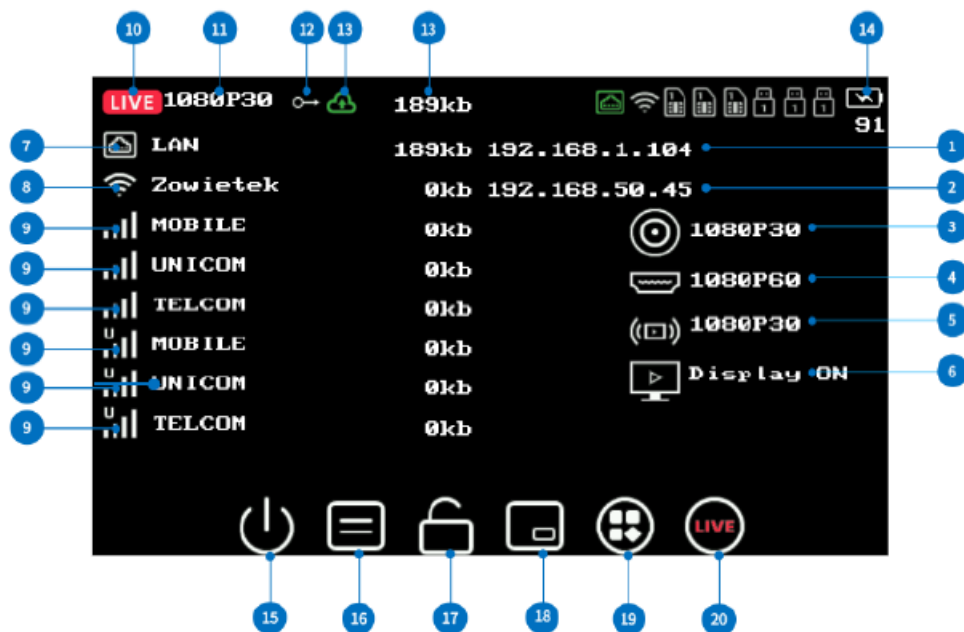## Connection
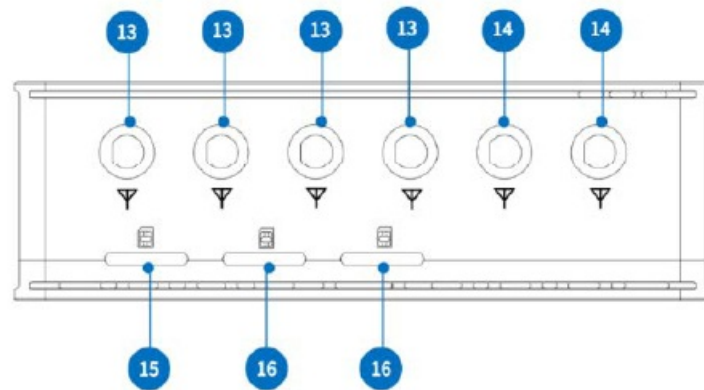
LiveV400(5G Version) Top

LiveV400(4G Version) Top

| Label	Name	Icon	Description
1	Audio In	IN AUDIO	Stereo audio input.
2	SDI Input	IN	Connect up to SDI signal.
3	SDI Loop Out	OUT	Connect a SDI cable from this connector to a monitor or projector.
4	HDMI Input	HDMI IN	Connects HDMI and DVI signals (using an adapter).
5	Type-C Power Connector		Plug the power supply in here. The port requires a 15V DC power source (center-positive).
6	RED Power Button		Press to turn on encoder. Press and hold more than 5 seconds to turn off.
7	HDMI Loop Out	HDMI OUT	Connect a HDMI cable from this connector to a monitor or projector.
8	TF Card Slot		Plug the TF card in here.
9	RJ-45 Ethernet		Ethernet network port.
10	3.5mm Audio Output		For audio confidence monitoring. Plays the audio for the currently visible channel
11	USB Connector		Connect to USB 4G Dongle.
12	Hot Shoe Mount		Mount encoder to camera
13	SMA Connector		Connect to Internal 5G LTE antenna.
14	SMA Connector		Connect to Internal 4G LTE antenna.
15	SIM card slot		Built-in 5G, Plug the NANO SIM card in here.
16	SIM card slot		Built-in 4G, Plug the NANO SIM card in here.

Getting Started

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

- Step 1. Fully charge before starting to use the encoder.
- Step 2. Plug 4G/5G SIM card and connect the antenna to the encoder.
- Step 3. Plug 4G USB dongle (ZTE MF833V 4G LTE dongle is recommended).
- Step 4. Press the RED Power button on the left of the encoder to turn on the system.
- Step 5. Turn on your camera or video source and connect the output to corresponding connection of the encoder. Encoder will automatically recognize the input signal.

- Step 6. (Optional) Plug headphones into the 3.5 mm headphone jack of the encoder.
- Step 7. Connect the encoder to LAN if available.

Label	Description
1	The IP address of LAN network
2	The IP address of wireless network
3	SDI signal input, display **Resolution** and **Frame Rate** of SDI inputs; Display **No Signal** when the no SDI input or SDI connection fail
4	HDMI signal input, display **Resolution** and **Frame Rate** of HDMI inputs; Display **No Signal** when the no HDMI input or HDMI connection fail
5	Pull stream Signal input, display **Resolution** and **Frame Rate** of Stream inputs; Display **No Signal** when the no Stream input or Stream connection fail

6	HDMI Display ON
7	Display **LAN** when the LAN connection is successful Display uplink speed of LAN when the encoder using LAN as streaming network; Otherwise "0kb" is displayed
8	Display **the WIFI SSID** when the WIFI connection is successful Display 0 kb when the WIFI is not involved in streaming
9	Display **the Operator** when the Built-in 5G/4G connection is successful Display 0 kb when the Built-in 5G/ 4G is not involved in streaming
10	Streaming Icon. The Streaming Icon is grey, when the streaming is offline
11	Streaming Resolution
12	Streaming Mode: ⚬⇢ means: Normal (Single) ; 𝄃⇢ **means** Bonding
13	Streaming Icon and Video streaming bit rate, display 0 kb when the streaming is offline
14	Battery Level and Battery percentage
15	Power Off
16	Hide / Display desktop Hide / Display text and icons on the LCD screen
17	Lock / Unlock screen
18	Video Collage Customize layout, Picture in picture, Supports 6 fixed and 2 custom screen compositions
19	Menu Setting
20	Streaming button

Streaming

LAN
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 192.168.1.104.
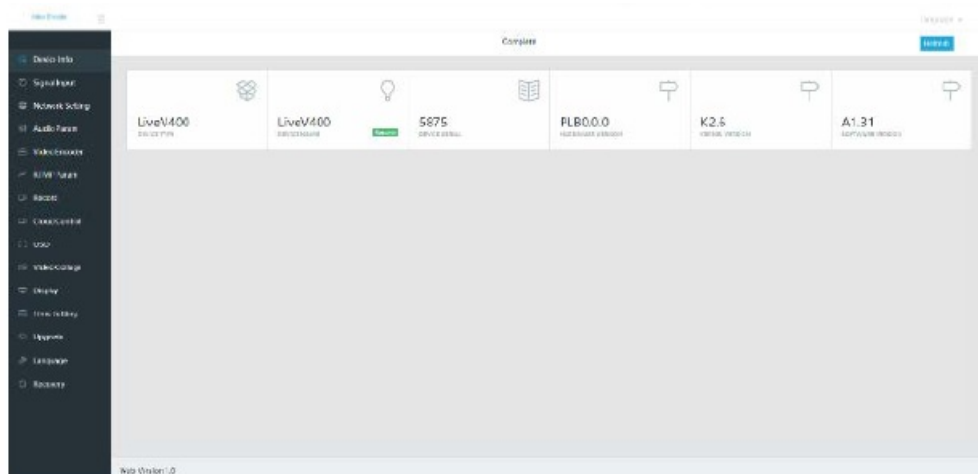
WIFI
There are four ways to connect WIFI.

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 "Setting" 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 Setting"==>" 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 updated after clicked "refresh" button.
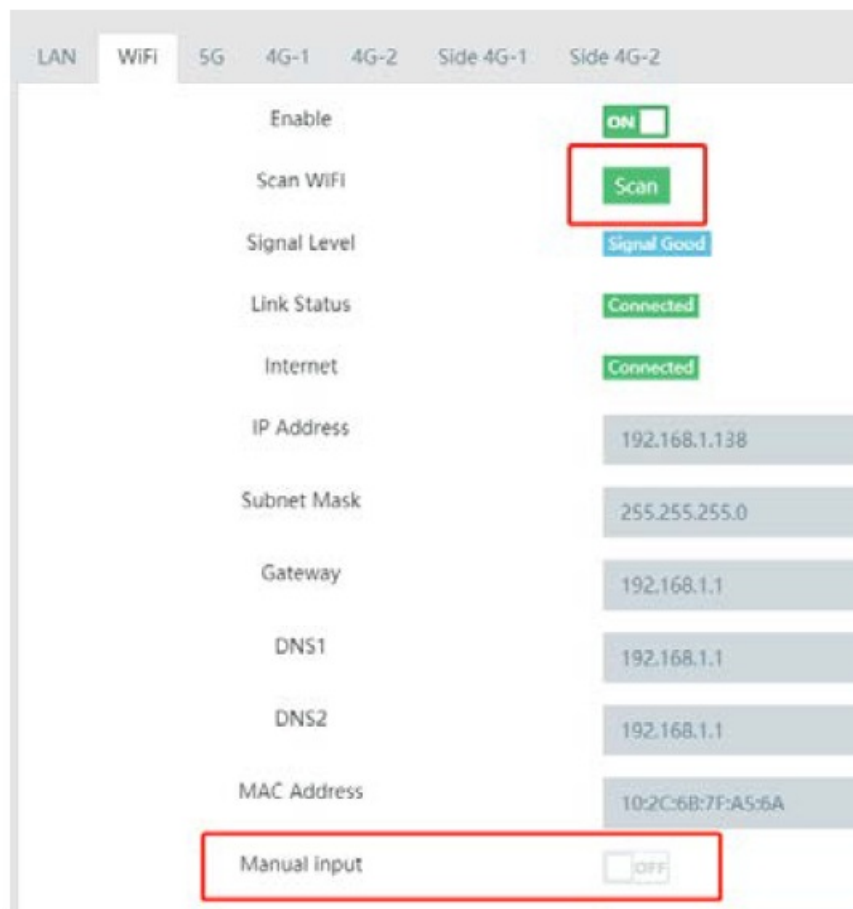
Built-in 5G/4G
Plug SIM card and connect the antenna to the encoder, this page provides users to choose whether to enable built-in 5G/4G network. The default 5G/4G option is selected to be enabled.

APN setting: After clicking the pen icon in the red mark box on the 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.
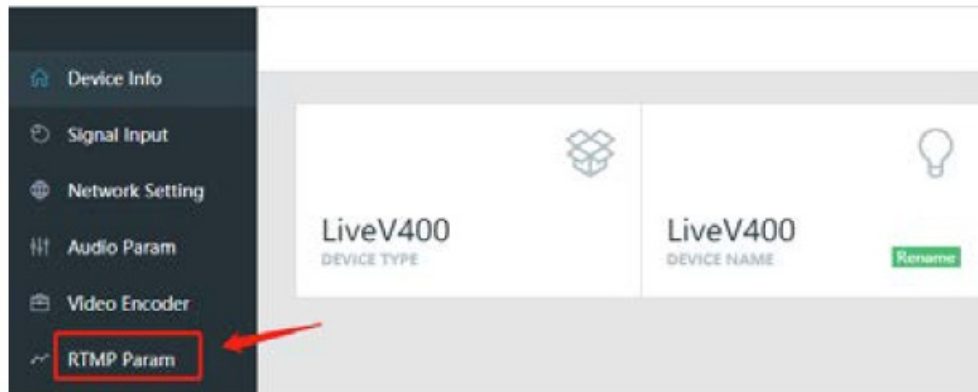

External 4G
Plug USB 4G Dongle into the encoder, the device will connect to 4G net automatically.
NOTE

1. SIM doesn't support hot-plugging, so turn off the unit before plug.

2. When WIFI connection setting is complete, don't need to set up again unless users want to connect to another WIFI.

Stream URL

On web, click 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.

RTMP Address

1. Please login your video streaming provider account.
2. Find rtmp url or server url usually in ingestion area
3. Find stream key in the same section
4. Copy, paste and combine rtmp url and stream key to RTMP NOTE:
   Don't forget to click the confirm button to apply and save the setting.

YouTube

1. Before beginning a live stream for the first time, the YouTube channel has to be enabled. Confirm that your channel is verified. If you already enabled live stream you can skip this step.
2. Log in YouTube account and click "Go live".

3. Add a title and description in the BASIC INFO tab. Stream URL and Stream Key can be found at the bottom of Stream now.

4. Copy and paste the server URL / stream key or persistent stream key into the RTMP settings of the encoder.

   Note: there is a slash / between Stream URL and Key.

5. Now, configuration finished. Press on LCD to start live streaming.

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 "Mode" is selected as "Bonding", the device will bond multiply connected networks as stream network.

3. please fill in "RTMP Address" and click "Confirm" button to apply the setting.
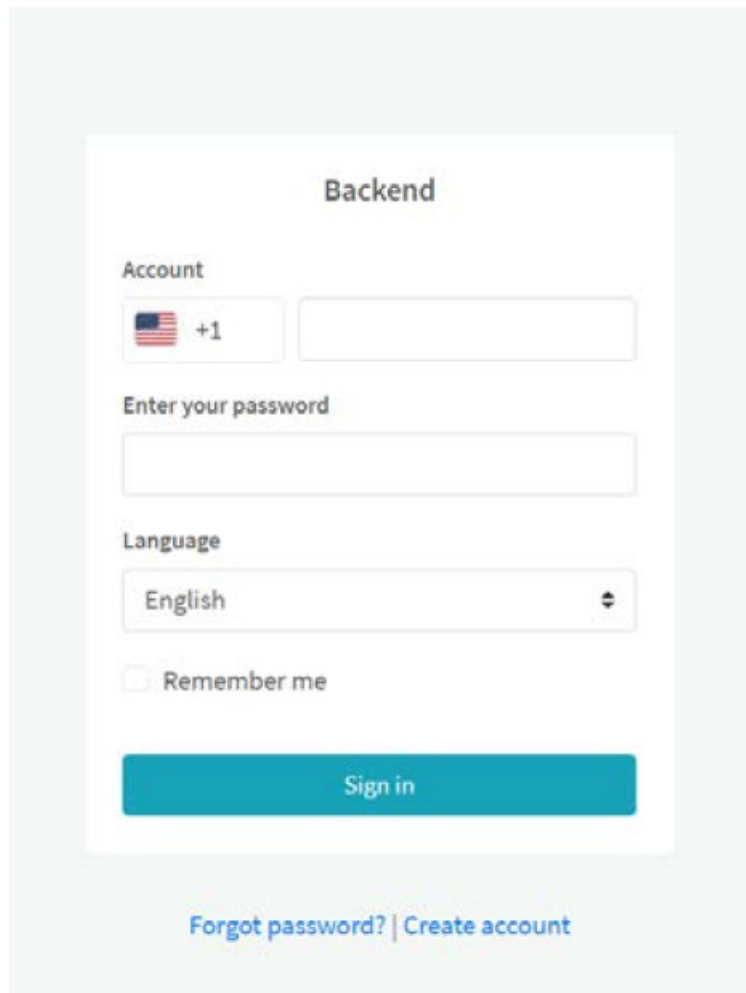
Enable	ON
Connection Status	Unconnected
Mode	Bonding
RTMP Address	rtmp://push.livevbond.com/EHC/123?auth_key=1624506380-0-0-7e1c082912b799ed93cb563182d5...

Confirm

Mobile-Phone Remote 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 click "QR Code" at the Menu on the device. Then, 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.
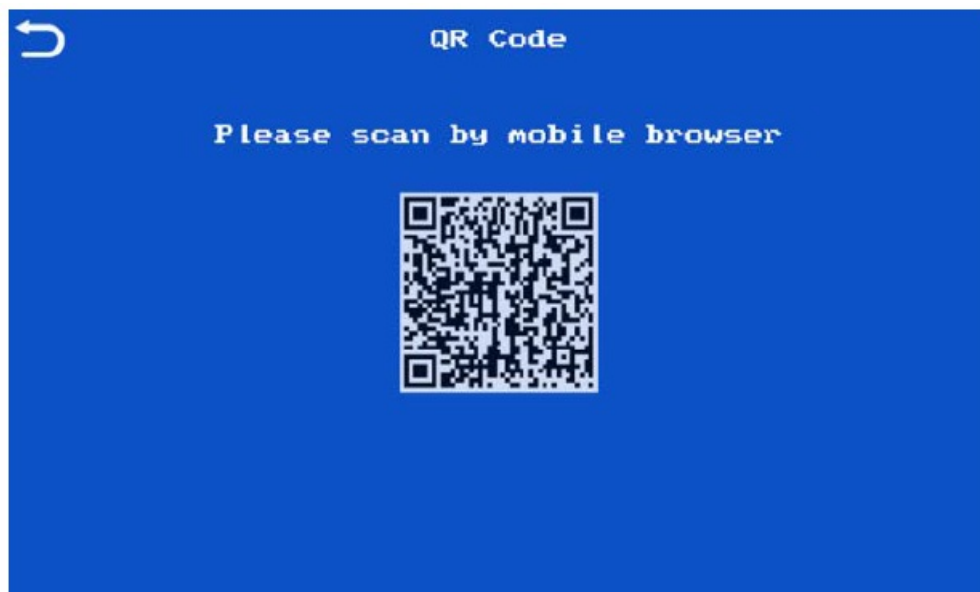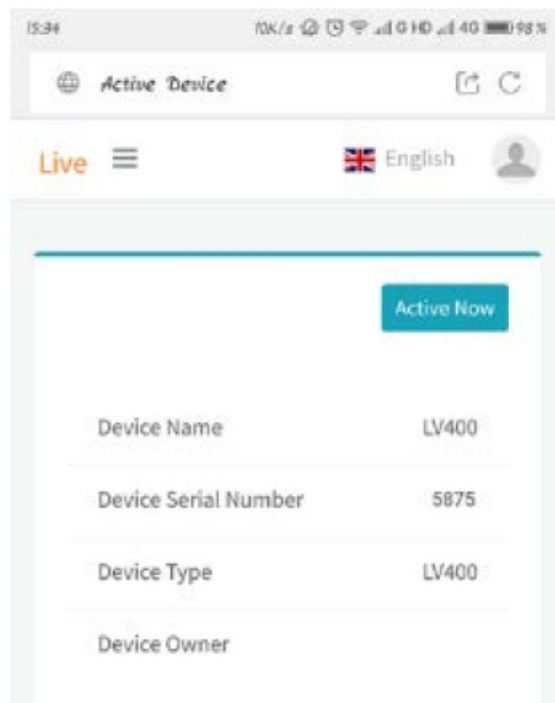
If you don't have an account yet, please click "Create account" at the bottom of the picture to create your own account.

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.

Sign in Web control

Once you register 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.
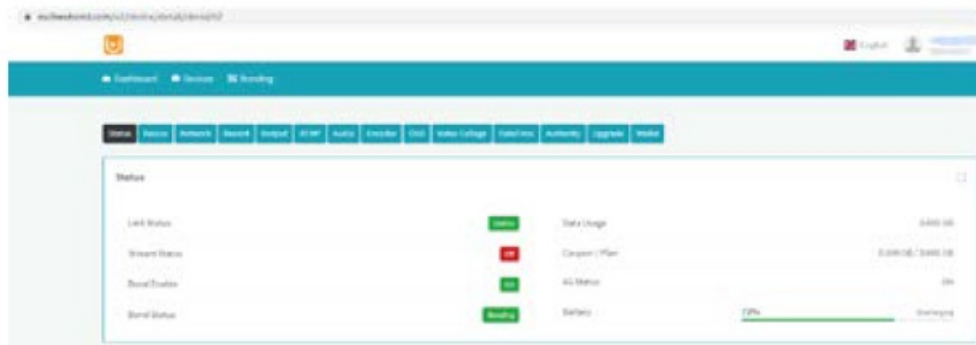
NOTE

1. Make sure connect a RJ45 network cable to the LAN port of the encoder.

2. Make sure the encoder connected to Internet before go ahead at the first time.

Charge data for LiveV400
In the "Wallet" optional control page, users can purchase data by Paypal.
Note
only bonding mode charges data;
Every encoder has pre-load free data (100GB) for test

Global Aggregation Server Website:
India: **in.livevbond.com**
Europe: **eu.livevbond.com**
US: **us.livevbond.com**
Australia: **au.livevbond.com**
China: **livevbond.com**
Zowietek Electronics, Ltd.
2218 Hunan Road, West Wing 1701
Pudong, Shanghai 201204
www.zowietek.com
support@zowietek.com
User Manual at
www.zowietek.com/uploads/PortableBondedEncoder/newencoder/LiveV400Usermanual.pdf

Documents / Resources

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LiveV400 High Definition Bonding Live Video Streaming Encoder, LiveV400, High Definition Bonding Live Video Streaming Encoder, Bonding Live Video Streaming Encoder, Video Streaming Encoder, Streaming Encoder, Encoder

References

- ⊕ **au.livevbond.com**
- ⊍ **eu.livevbond.com**
- ⊕ **in.livevbond.com**
- ⊕ **livevbond.com**
- ⊍ **us.livevbond.com**
- **Home - Zowietek Electronics, Ltd.**