

Bonding Encoder

Quick Start Guide



Thank you for purchasing and using this product. For your personal safety and interests, before using the product, please read this product use guide carefully, and be sure to follow the guidance of this guide or under the guidance of professionals to use the product, so as to avoid permanent damage to the equipment caused by your failure to follow the correct installation, and even threaten personal safety.

This guide is for informational purposes only and does not constitute a commitment of any kind. Including but not limited to color, size, web UI, price, availability and specifications are subject to change without notice.

1 Packing List

- | | |
|--------------------------------|---------------------|
| 1. X1x1 | 3. Power adapterx1 |
| 2.Warranty Card/Certificate x1 | 4. Quick User Guide |

2 Device interface



3. 5.5" Touch Screen

- 1. Threaded Screw Port
- 2. Power Switch



4. 1000M Ethernet port

6. Type-C Power Connector

8. Cooling Holes

10. USB-A Port

12. SIM1/2

14. SIM5/6

5. USB-A port

7. MIC IN

9. HDMI Input

11. SDI Input

13. SIM3/4

15. Micro SD/TF Card Slot

16. Threaded Screw Port

3 Device connection




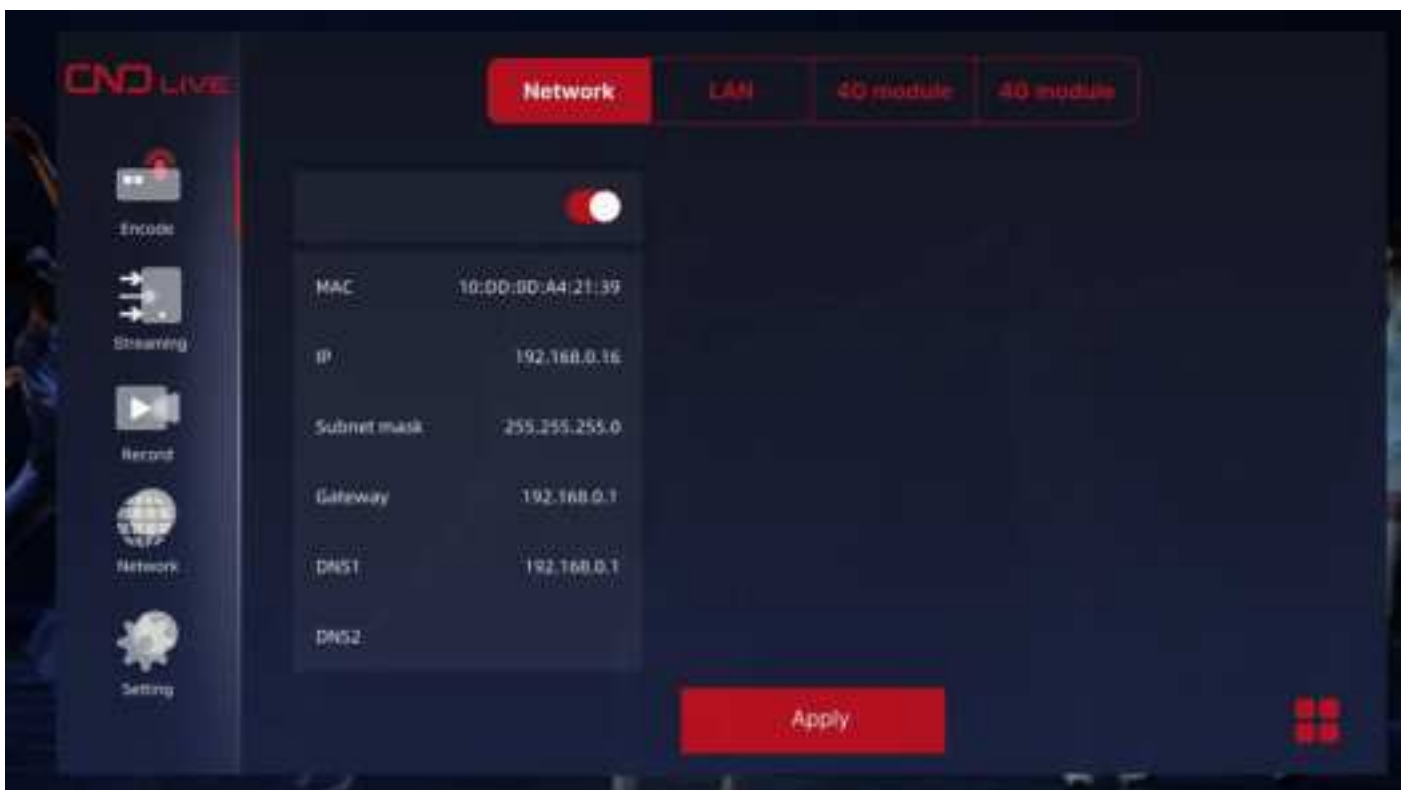
Note

- Please use the power adapter carried with the device to power the device, using an unqualified power supply may damage the device;
- HDMI and SDI can be input simultaneously, but only one video source can be encoded at the same time;
- Once the unit is installed, turn the unit on using the on/off button on the panel.

4 Getting Started

4.1 View device IP address

Use the panel LCD screen to view the IP address of the device for the current network (the network needs to  support DHCP to assign an IP address to the encoder at). Click on the menu button in the lower right corner of the LCD screen and then click on the "Network" option on the left side to display the wired network information.



4.2 Login to the WEB page

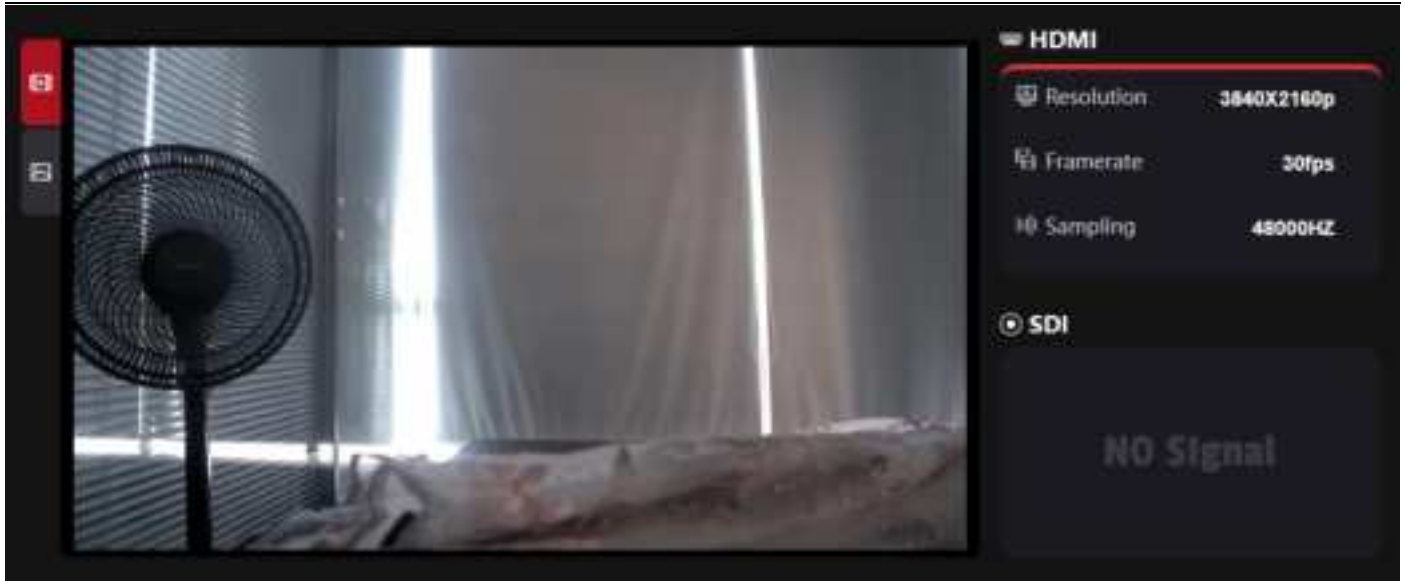
On the computer connected to the network, open a web browser, enter the IP address that you see on the LCD display in Section 4.1, and press the Enter key. In the login screen that pops up, enter the default user name and password (both: admin) to log in to the Web page.



4.3 Selecting a signal source

The device selects HDMI source code by default, and other source codes can be selected through configuration:

1. Click "Encoding" - "Video Signal" in the menu bar;
2. Drop-down menu to select two different encoding sources, HDMI and SDI
3. After selecting the application, go back to the "Home" page and you can preview the live video of the current encoded source.



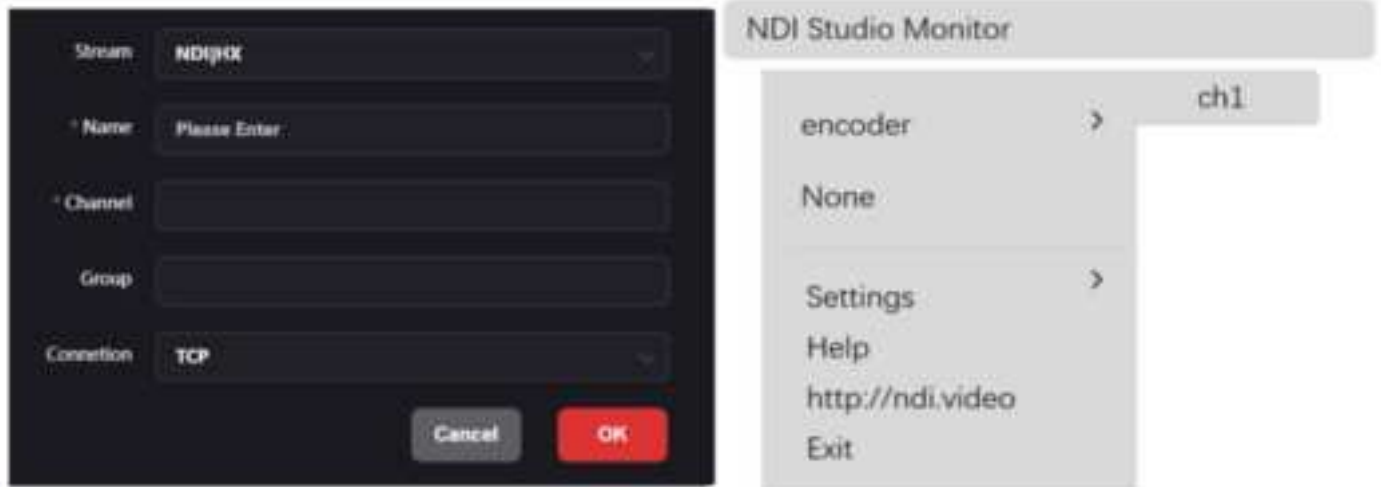
Note

- If the preview still shows a blue screen or an abnormal screen, please check whether the video input source is connected correctly, the video resolution format or replace the cable, etc.

4.4 Add Streaming Service

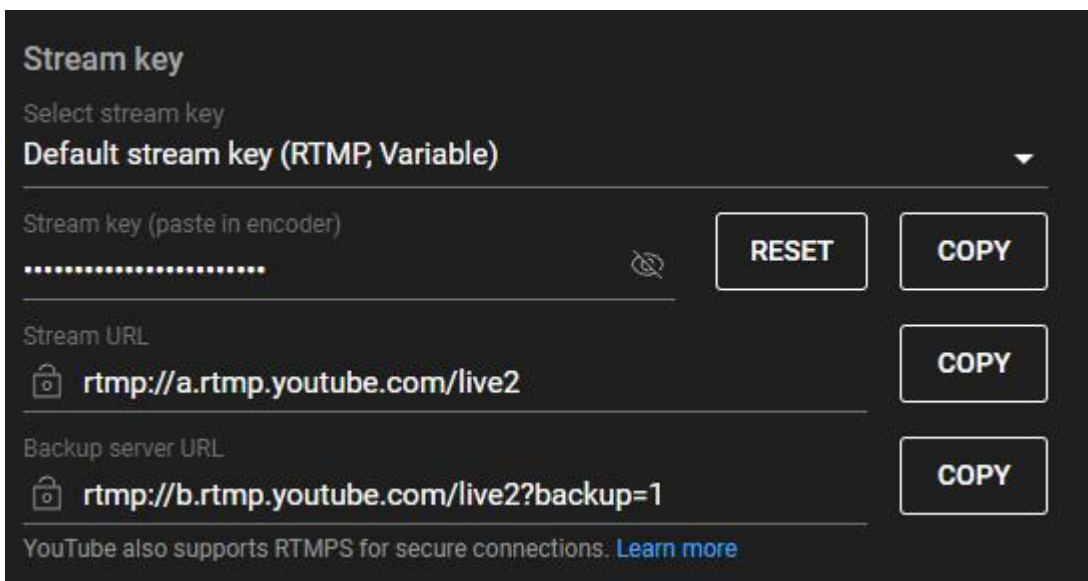
In the WEB management page, click "Home", click "Add Stream" in the "Stream Service" column on the right side, and select "Add X 1 " in the pop-up dialog box.

1. Fill in the name and channel name, the group can be left out, the default is the "public" group;
2. Click "OK" to save.
3. Open "Studio Monitor" in NDI tools and right-click to auto-discover the current encoder name and the configured "Channel Name";
4. Select the corresponding "Channel Name" and "Studio Monitor" automatically plays the received video stream.



4.5 Push Streaming Live (RTMP)

Click "Home" on the dashboard, then "Stream Service" to add streams. Select RTMP/RTMPS in the popup dialog box.



Take YouTube as an example.

Firstly obtain the RTMP push URL from the platform. Login to YouTube, click "Live Video" to enter the live room, and click "Use Stream Key" for live broadcast.

Then fill in the URL of live broadcast and Stream Key into the URL address of the RTMP push point, and start the streaming service.

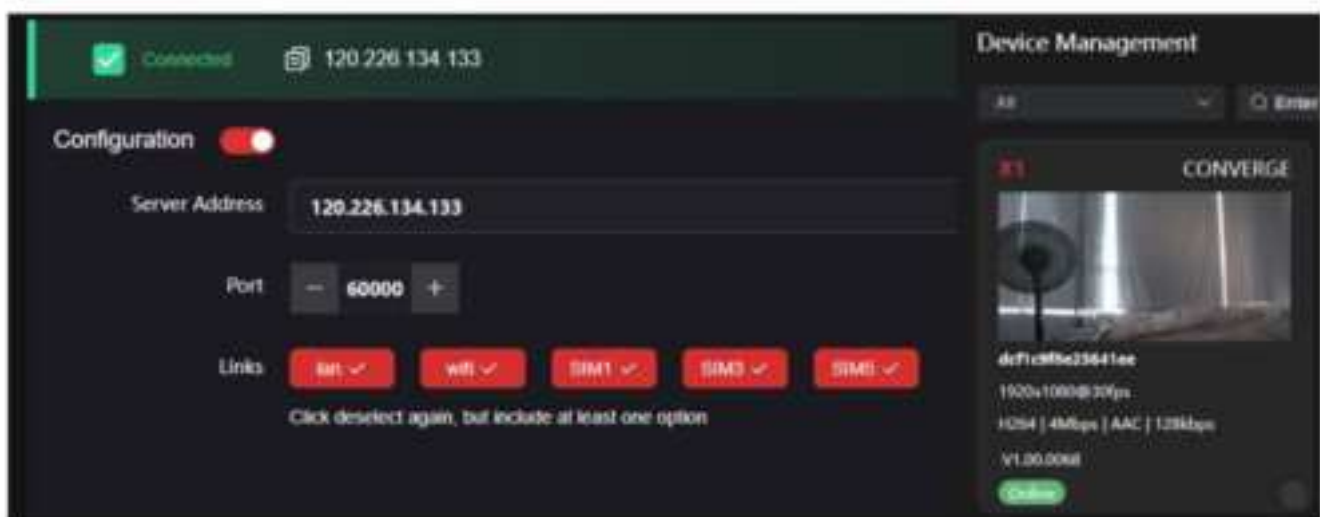
You will see the video in the live broadcast room at the same time.

**Note**

- Different platforms have different ways to get the streaming address, please subject to each platform instructions.
- Username and password are not a must. They are required only when the live broadcast room of the platform is configured. Most platforms can stream directly by default.

4.5 Connectivity Convergence CNDLive Manager

On the WEB management page, click "Settings", open the "Configuration" switch in the "Management Platform" column on the left, fill in the server IP of the management platform in the server address, and then click "Apply" to start connecting to the management platform. Keep the default settings for server port and data encryption, check the link interface to be aggregated, click "Apply" to start connecting to the management platform, and after success, the connection status on the current page will be "Connected", and you can see the device on the management platform. You can see the device on line then.



**Note**

- Make sure that the relevant ports are open so that you can connect to the management platform properly;
- Data encryption is not a mandatory option, you can decide whether to turn it on or not depending on your needs, and when it is turned on, it will increase the usage of some system resources;

5 Software upgrade

Click "Upgrade" to enter the upgrade page. Check if the latest software version is higher than the "Current Firmware Version", if the version is the same or lower, then no need to upgrade.


Click "Select File", select the latest firmware version, click "Upgrade", the firmware will start to upload and update. The device will reboot automatically during the update process.

After the upgrade is completed, check if the "Current Firmware Version" is the same as the latest version number.

**Note**

- Do not disconnect the power during the upgrade process, as this may cause the device to fail to boot up;
- The upgrade process takes about 5 minutes, if it is not completed for a long time and the page cannot be accessed by refreshing, please contact the manufacturer's technical support.

6 Restore Factory Settings

When the device does not work properly, or in other cases where you need to restore all device data to the factory settings, you can do so by restoring the factory  settings of

the device. There are two ways to restore the factory settings:

Method 1: Restore the factory settings through the LCD panel, click the menu button to display the page, press "Settings" on the left side to enter the "System" page, and then press "Reset" below to confirm the restoration of factory settings. Reset" below to confirm the restoration of factory settings

Method 2: Click "Restore Factory Settings" - "Restore Factory" to complete the restoration through the web management page.



Note

- After restoring the factory settings, all configurations, passwords, networks, etc. of the device will be restored to their default values, and the device will reboot;
- The default username and password are restored to default (both are admin).

7 Support

If you need more support, please contact the manufacture.

- Website: www.cndliver.com
- Telephone: 86-0755-26888895
- Email: support@cndliver.com

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator or your body: Use only the supplied antenna.