Quick Start Guide
SDI/HDMI
NDI Wired Video Encoder

Thank you for purchasing NDI video encoder. Before installing the product, please read this user manual carefully. Please strictly follow our manual to install and use our encoder, or install and use under guiding by professional person, to protect your body safety and to avoid the encoder damage from physical and electrical. The encoder may be damaged if incorrect electrical connection or the physical installation, even threaten the operator safety.

NOTE:
There will be some difference because of the updating of the device.

This product is divided in to SDI or HDMI interface, Please configue based on what you purchased.

Kindly note: This is only Quick Start Guide. If there any questions, please contact the supplier or visit website for more details.

Packing list
Encoder*1 DC 12V/1A Adaptor*1 Manual*1 Warranty card*1
USB Tally*1

USB Tally
This unit supports Tally indication from any NDI switching device by connecting the external Tally device that comes in the package with the USB port of the encoder.
When the NDI source is output to NDI receivers such as VMIX, TriCaster, etc. and when switch to Program or Preview, the encoder receives the notification and changes the color on the ”Tally” device, as shown in the figure below:

Device installation and connection
Connecting video signal
Connect the SDI/HDMI signal from the source (such as a camera) to the SDI/HDMI input port of the device via a cable
NOTE: HDMI's input interface is on the right

Connect Network
Connect the network cable to the Ethernet port of the device, and connect the other end to the network switch or directly to the network port of the computer.

Connect the power supply
Using the power adapter (DC 12v) to connect to the power connector of the device. After connected, turn on the power switch (Interface No.12) on the device. After the device is powered on, it starts working.

Device interfaces

LED indicator

Video/audio source selection
Select the sub-functions “Video Source Selection and Adjustment” and “Audio Source and Volume Adjustment” function on the web management interface to configure the video and audio source selection.

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HDMI's input interface is on the right

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USB Tally
**07 Device login and network configuration**

**Default IP address and web login**

The FailSafe IP address is 192.168.1.168 with subnet mask 255.255.255.0. Normally, you don't need to modify this IP address.

**Login the WEB Console**

If login for the first time, please use FailSafe IP address

You can access http://192.168.1.168, to login the web console.

**IP address configuration**

After login, you can configure the IP according to the network, the IP will be used for pushing and device management. You can configure it to manually set the IP or DHCP. (Default set is DHCP.)

**08 NDI|HX driver installation**


![NDI|HX driver installation](image)

**09 NDI discovery and connection**

It is compatible with NewTek NDI®. When the device is in the same network as the Studio Monitor software (others like OBS, vMix, etc.), the device can be automatically discovered.

![NDI discovery and connection](image)

**10 RTMP Live Streaming**

Currently main video live streaming platforms need “RTMP” service. After adding the needed service type, users can set the IP or password, then click on “Add one stream service”, users can add the needed service type.

**Add streaming service**

Our device H.264 main/sub stream supports adding up to 8 same or different streaming media services, to meet your needs of adopting same/different stream media protocols for multi-goal pushing.

On the management interface of “Encoding&Stream-Encode and Stream Service”, for main/sub stream to choose “add one stream service”, users can add the needed service type.

**Add RTMP pushing streaming service**

Currently main video live streaming platforms require “RTMP” service. After adding RTMP pushing service, click set icon to configure RTMP parameters.

![Add RTMP Live Streaming](image)

**11 Restore factory settings**

Faulty settings may cause the encoder perform abnormally. Therefore, it is necessary to restore default value.

**Quick reset and reboot**

"Quick Reset" is quickly reset the video encoding function of encoder. When the video signal instability or improper parameter setting cause the encoder does not work, try to use this function. The quickly reset probably will last 3 seconds or so.

"Reboot" is for encoder performs a warm reboot, when the encoder still does not work after quick reset, please try to reboot the device. Device rebooting lasts around 20s.

**Firmware upgrading**

The encoder supports online firmware upgrading. Through the "Basic Settings-Firmware Upgrade" of the web management interface, you can upload the firmware online.

**Upgrading diagram**

![Firmware upgrading](image)

**NOTE:**

1. When upgrading, please choose the latest firmware version. If the firmware is not canceled, obviously, the upgrade process is slow, around 30s to 1 second, please be patient.

2. After finish upgrading, check whether the version information of the latest firmware is consistent with the expected status through the System Status-Software Version of the web interface.

**Add streaming service**

If users change parameters that lead encoder couldn't work (typical situation is to change network address, so that it couldn't be visited encoder by network.), users could restore factory setting to default value.

**Two methods for restoring factory settings:**

1. Via the WEB interface, "Basic Setup > restore factory settings" function;

2. Through RESET button:

   - On the dashboard, there is button of Pressing on "RESET button" for 5 seconds, device will restart automatically after upgrading, and recover to factory default value.
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