# HDMI Encoder Quick Installation Manual

Applicable to AVC-2K, HEV-2K, HEV-4K CEV-2K

Thanks for using DDMALL products, please read this manual and keep it for reference before installing DDMALL HDMI encoders.

## **Appearance and Features Introduction**



Picture 1

• Ethernet port indicator

Solid green: device is powered and started normally.

Flash in green: reset factory settings

Flash in orange: connected to network successfully

• Reset button

Press and hold the reset button for about 5s, release it when the indicator flashes in green to reset factory settings.

## **Hardware Installation**

- 1. Connect the HDMI input of encoder to HDMI signal source.
- 2. Connect encoder's Ethernet port to Lan port of the router or switch by network cable.
- 3. Power the encoder by USB if required.
  - Note: HDMI encoder can take power from almost signal source HDMI ports so that users don't need to power the encoder by additional USB cable; however, when voltage of some HDMI outputs is too low to support normal working of the encoder, we recommend users to use USB cable to power the encoder (power requirement: DC 5V/1A).

- Please check the Ethernet port indicator status. When it lights up in solid green and flashes in orange simultaneously, it indicates that the encoder has been started normally and connected to network successfully.
- 4. The computer which is used to control the encoder must be on the same local area network with the encoder, and the IP address must be on the same network segment (by default, the encoder IP address is 192.168.1.251).
- 5. Typical network connection chart of HDMI encoder is shown as below:





### **Modify IP Address of the Control Computer**

By default, the encoder IP address is 192.168.1.251. the computer which is used to control the encoder must be on the same local area network with encoder, and the IP address must be on the same network segment with the encoder. For the first time, users need to modify the control computer IP address to 192.168.1.xxx (xxx ranges 0~255 except 251). We will show the modification method of control windows computer IP address step by step as

follows.

1. Turn on windows computer, and press **4** +R on the keyboard.

2. In the command field, please type "ncpa.cpl" and click "OK" to load network connection page.

3. On network connection page, users can see the network connection status, double click the connected network (the network where the encoder is on) to guide to the corresponding network setting page.

4. Click "Ethernet Properties" on network setting page, and double click "Internet Protocol Version 4 (TCP/IPv4)".

5. Check "Use the following IP address", type "192.168.1.xxx" (xxx ranges 0~255 except 251) in the IP address field, type "255.255.255.0" in the Subnet mask field, and double click "OK" to save the settings.

Ethernet Properties	×	Internet Protocol Version 4	
Networking Sharing		General	
Connect using:		You can get IP settings assigned a	automatically if your network supports
💇 Realtek PCIe GBE Family Controller		for the appropriate IP settings.	
	Configure	Obtain an IP address autom	atically
This connection uses the following items		Use the following IP address	:
Client for Microsoft Networks	A Networks	IP address:	192.168 . 1 .65
Generation of the second		Subnet mask:	255.255.255.0
Internet Protocol Version 4 (TCP/IPv4)     Microsoft Network Adapter Multiplexor Protocol		Default gateway:	· · ·
Microsoft LLDP Protocol Driver	B (D, C)	Ohtain DNS server address a	automatically
<	>	Use the following DNS server	r addresses:
Install Uninstall	Properties	Preferred DNS server:	
Description	Detect Test for h	Alternate DNS server:	
wide area network protocol that provides communication across diverse interconnected networks.		Validate settings upon exit	Advanced
	OK Cancel		OK Cancel



## Login to Encoder Web Setting Page (Web UI)

Open the browser of control computer, type "192.168.1.251" (the default encoder IP address) to load the encoder login interface, and type login credentials (admin/admin) to load the encoder setting page (web UI), where users can configure parameter settings for Audio, Video, Network, RTMP, Misc Stream (RTSP, UDP, SRT, HLS, NDI), System etc.

S LIVE STREAMING ENCODER × +		- ø ×
← → C ▲ Not secure   192.168.1.251		아 ☆ 😶 :
		English *
	ethe	
	User Login	
	admin	
	LOGIN	

Picture 5

S LIVE STREAM	IING ENCODER × +		- 0
$\leftarrow \  \  \rightarrow \  \  G$	▲ Not secure   192.168.1.251		야 ☆ 😝
	TREAMING ENCODER		⊕ English ▼
	NetWork/ Client		
Status	Client Advance		
Audio	IP Mode Opnamic(DHCP) Static		
<b>•</b> ] Video	IP Address 192.168.1.251		
Metwork	Subnet Mask 255.255.255.0		
RM	Gateway 192.168.1.1		
<b>RS</b> Misc Stream	DNS 8.8.8.8		
<b>System</b>	Apply		

Picture 6

## YouTube Live Streaming Setting

1, Login to YouTube account, click **I** icon on the right upper corner, and click "Go live"

to load live streaming page.

YouTube	* <b>HVE STRE</b>	AMING E	INCO	DER	
↔ → C	m			୯ ৫ ☆ □	2
😑 🕑 YouTube <sup>sg</sup>	Search	Q	\$ D	III Ļ	M
All Chill-out	music HDMI Live Play	lists Gadgets	Bossa Nova	Upload video	>
Home			((•	)) ရှစ္ live	
0				A W. Star	1 AL

Picture 7

2, On the live streaming page, users can see the Stream URL and Stream key of YouTube live

-			
	Live streaming - YouTube Studio 🗙 🕂	- 🗆 ×	
$\leftarrow$ (	https://studio.youtube.com/video/8Rmfip79_NQ/livestream	ing	A to 🤤 te 🕀 🌒 …
≡	▶ Studio		III 🗶 🏕 M
((=))			Top chat 🗸
Ō	)	Molinari_	
ā	Connect streaming software to go live Viewers will be able to find your stream once you go live STREAM SETUP HELP • Start sending us your video from your streaming so	Category People and blogs Privacy Private Viewers waiting Likes 0 0 O O O O O O O O D D D D D D D D D D D D D	
	Stream key Select stream key Default stream key (RTMP, variable) Stream key (RTMP, variable) Stream key (RESET COPY Stream URL COPY COPY	H Additional settings Enable DVR ( 360° video ( Added delay) Hone ~	Welcome to live chatt Remember to guard your privacy and abide by our Community Guidelines. LEARN MORE
	Backup server URL  COPY  TouTube also supports RTMPS for secure connections. Learn more	Closed captions	Molinari Say something
		This rive replay nuce stream enns	0/200 >



- 3, Login to HDMI encoder setting page (web UI) and enter RTMP setting page.
- 4, Paste the Stream URL and Stream key of YouTube to the corresponding Stream URL field and Stream Key field of the encoder. For example, paste to the Stream URL and Stream key field of Primary Stream NO. 1, that means users will push RTMP stream by the first channel of the Primary Stream.

### streaming.

LIVE	STREAMING ENCODER		å admin ↔
<u></u>	RTMP/ Primary Stream		
Status	Primary Stream Secondary Stream		
Audio	No.1	No.2	
<b>Video</b>	Server URL rtmp://a.rtmp.youtube.com/live2	Server URL	
Network	Stream Key w902-37h1-r6wu-mmjm-6mhc	Stream Key	
RM RTMP	Authentication	Authentication	
<b>RS</b> Misc Stream	Status connected           Stat         Stop         Save	Status disconnected           Start         Stop         Save	
System			



- 5, Click "Start" to push stream to YouTube. When the Status shows connected, it means the encoder pushes stream successfully.
- On the YouTube Live streaming page, users can watch the live streaming video and monitor the status.

=	Studio		🔤 📕 🌧 END STREAM M
()) () ()	Image: Control of the second	Tile EDT Categoy People and blogs Privacy â Private Concurrent viewers Likes 0 0	Top chat 🗸 🔅
	STREAM SETTINGS     ANALYTICS     STREAM HEALTH       Stream Key     Solidot arream key       Default stream key (RTMP: variable)     •       Stream Ley (patte in encoder)     @     RESET       Stream URI:     @     COPY       Stream URI:     @     COPY       Stream URI:     @     COPY       Stream URI:     @     COPY       Workburg Stream URI:     COPY       Workburg Stream URI:     COPY       You'lube also supports RTMPS for secure corrections. Learn more       Stream latency @	Additional settings Enable DVR	<ul> <li>Welcome to live chalt Remember to guard your privacy and able by our Community Guidelines.</li> <li>LEARIN MORE</li> </ul>
p	Normal latency     Low-latency		Molinari       Sey something       ♥     0/200

Picture 10

## FAQ

#### Q: For the first time, users cannot load the encoder web setting page (Web UI).

- A: ① Please make sure the encoder is powered normally, and the network cable connection is normal. When the Ethernet port indicator lights up in solid green and flashes in orange simultaneously, it indicates that the encoder is started and connected to Internet successfully.
- <sup>(2)</sup> Please make sure the control terminal (PC, laptop, iPad etc.) which is used to login to encoder web setting page (web UI) is on the same local area network with the encoder, and the IP address is on the same network segment with the encoder. By default, the encoder IP address is 192.168.1.251. users need to modify the IP address of control terminal to 192.168.1.xxx (xxx ranges 0~255 except 251).

# Q: Users cannot load the encoder setting page (web UI) after modifying the encoder IP address.

- A: ① Please make sure the encoder is powered normally, and the network cable connection is normal. When the Ethernet port indicator lights up in solid green and flashes in orange simultaneously, it indicates that the encoder is started and connected to Internet successfully.
- ② Please make sure the control terminal (PC, laptop, iPad etc.) which is used to login to encoder web setting page (web UI) is on the same local area network with the encoder, and the IP address is on the same network segment with the encoder.
- ③ Open the browser of the control terminal, type the new encoder IP address. Please make sure the IP typed is correct. If the encoder IP address is set to be DHCP, users need to login to DHCP server (router) management page to see the automatically assigned encoder IP address.
- ④ If users forget the encoder IP address, they can reset encoder factory settings (press and hold the reset button for about 5s, and release the button when the indicator flash in green to reset factory settings), and login to encoder web setting page (web UI) by default IP address 192.168.1.251. please make sure the control terminal's IP must be

7

modified to 192.168.1.xxx (xxx ranges 0~255 except 251).