

H.265/264 Video Decoder-Transcoder Manual

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1. Environment Settings

1.1. Hardware Interface

1.1.1 Front Side view



From Right to Left:

- ① DC5-12V: 5V 2A or 12V 1A
- ② Ethernet: 1000 Mbit/s full-duplex
- ③ RST: Reset button
- ④ HDMI Output
- ⑤ CVBS Output
- ⑥ Analog 3.5mm jack L/R Audio Output

1.1.2 Back Side view



- ①P-Power indicator ②E- Ether Network ③V-Video Output

2. Management Settings

2.1 Login

Open <http://192.168.1.169> (default IP) by Explorer to login the decoder, default user name and password are admin.

2.2 Address setting - Input Streaming URL

Input streaming address

The screenshot shows the 'Input stream address' configuration page. On the left is a navigation menu with 'Input stream address' selected. The main content area has a blue header 'Input stream address'. Below it are the following fields:

- Channel1 address:
- audio: (dropdown)
- cache(ms): [0-4000]
- Program ID: (dropdown)

An 'Apply' button is located at the bottom center.

2.3 Transcoding setting

The screenshot shows the 'Transcoding setting' configuration page. On the left is a navigation menu with 'Transcoding setting' selected. The main content area has a blue header 'Transcoding setting'. Below it are the following fields:

- Encoding Type: (dropdown)
- FPS: [5-60]
- GOP: [5-300]
- Bitrate(kbit): [32-100000]
- Encoded Size: (dropdown)
- H.264 Level: (dropdown)

- TS URL: (dropdown)
- HLS URL: (dropdown)
- FLV URL: (dropdown)
- RTSP URL: (dropdown)
- RTMP(S)/RTSP PUSH URL: (dropdown)
- Multicast IP: (dropdown)
- Multicast Port: [1-65535]
- SRT URL Port: (dropdown)
- SRT PUSH URL: (dropdown)
- SRT pwd: (dropdown)

An 'Apply' button is located at the bottom center.

2.4 System setting

2.4.1 System output – HDMI CVBS Decode Resolution settings

The screenshot shows the 'System output' settings page. On the left is a navigation menu with the following items: Status, Input stream address, Transcoding setting, System setting (highlighted), Network setting, Passwd setting, System output (with a left arrow), Upgrade and backup, Reset device, and Reboot device. The main content area is titled 'System output' and contains the following settings:

- Low delay output: Disable (dropdown)
- HD output: 1080P60 (dropdown)
- CVBS output: PAL (dropdown)
- Brightness: slider set to 50
- Contrast: slider set to 50
- Hue: slider set to 50
- Saturation: slider set to 50
- An 'Apply' button is located below the sliders.

On the right side, there is a dropdown menu for resolution settings. The current selection is 1080P60. The list of options includes: 1080P60, 480P60, 576P50, 720P50, 720P60, 1080P25, 1080P30, 1080I50, 1080P50, 1080I60, 1080P60 (highlighted in blue), 1920x1200P60, 2560x1440P60, 3840x2160P25, 3840x2160P30, 3840x2160P50, 3840x2160P60, 4096x2160P25, 4096x2160P30, 4096x2160P50, and 4096x2160P60.

2.4.2 Network Setting

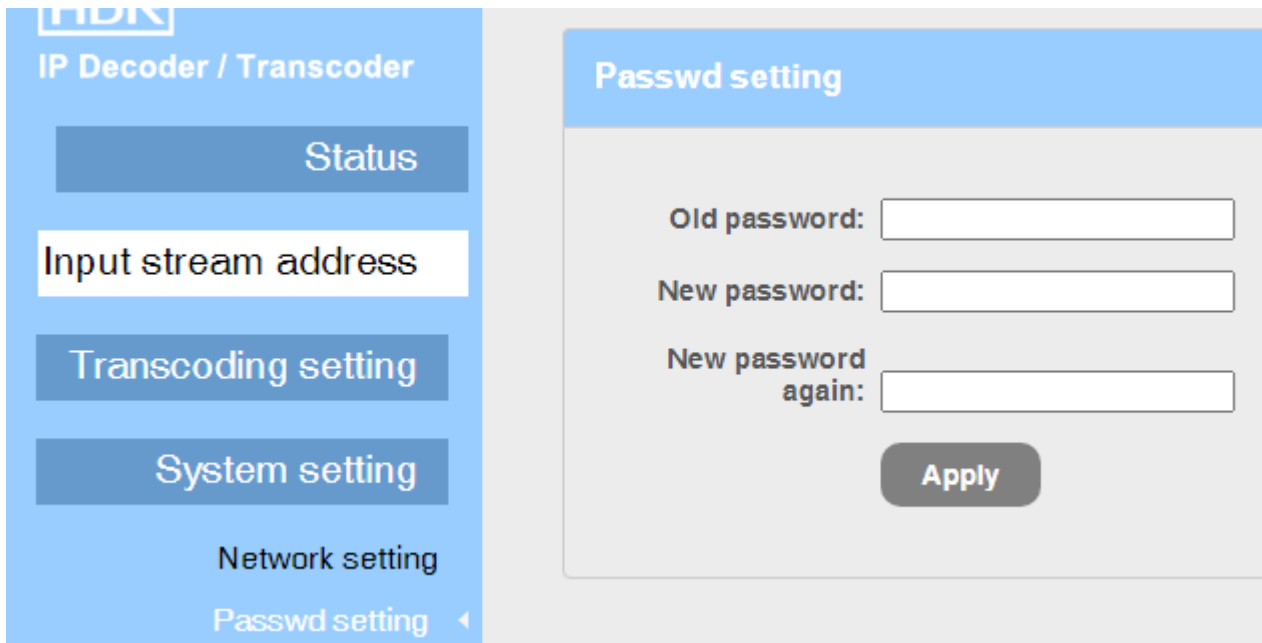
Settle the device IP address according with your router; please reboot the device once settled.

The screenshot shows the 'Network setting' page. On the left is a navigation menu with the following items: Status, Input stream address, Transcoding setting, System setting (highlighted), Network setting (with a left arrow), Passwd setting, System output, Upgrade and backup, Reset device, and Reboot device. The main content area is titled 'Network setting' and contains the following settings:

- Internet access section:
 - DHCP: Disable (dropdown)
 - IP: 192.168.1.169 (text input)
 - Mask: 255.255.255.0 (text input)
 - Gateway: 192.168.1.1 (text input)
 - Mac: 00:13:14:01:FF:80 (text input)
- DNS section:
 - Dns1: 192.168.1.1 (text input)
 - Dns2: 8.8.8.8 (text input)

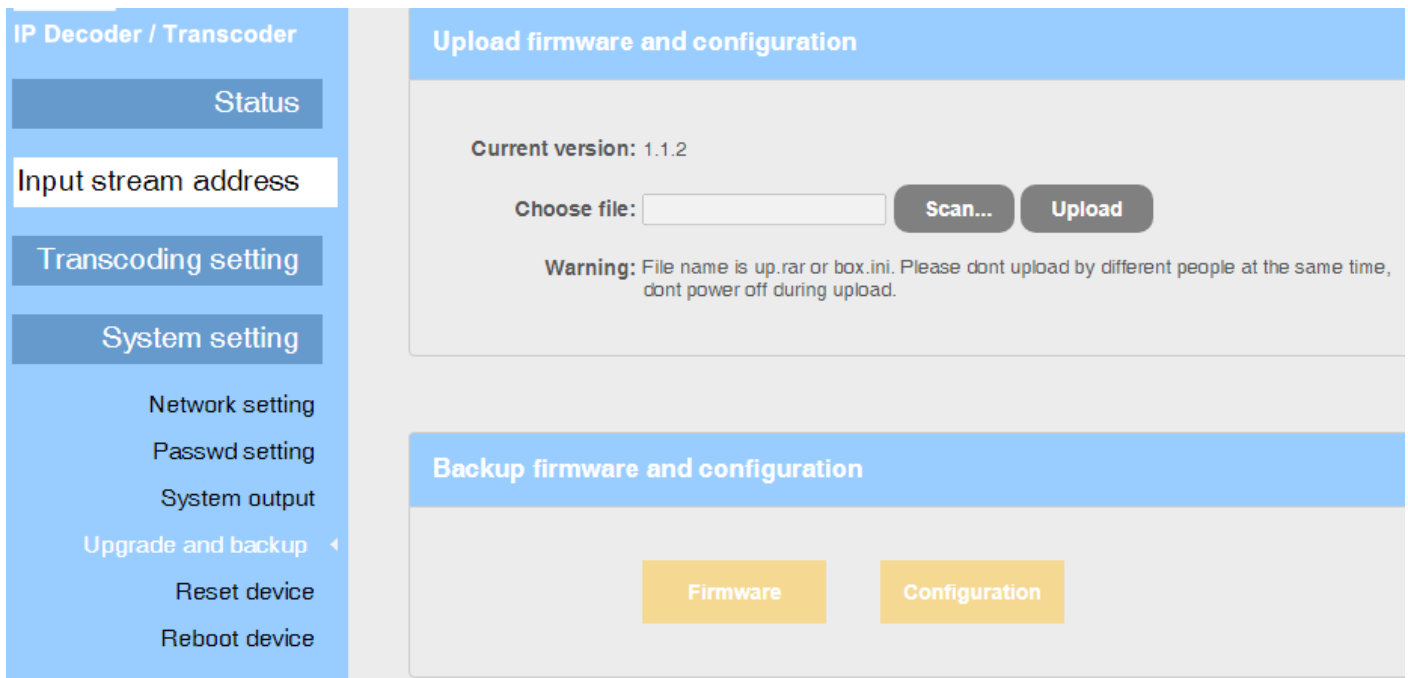
2.4.3 Password Setting

Change the password – default user name and password are admin.



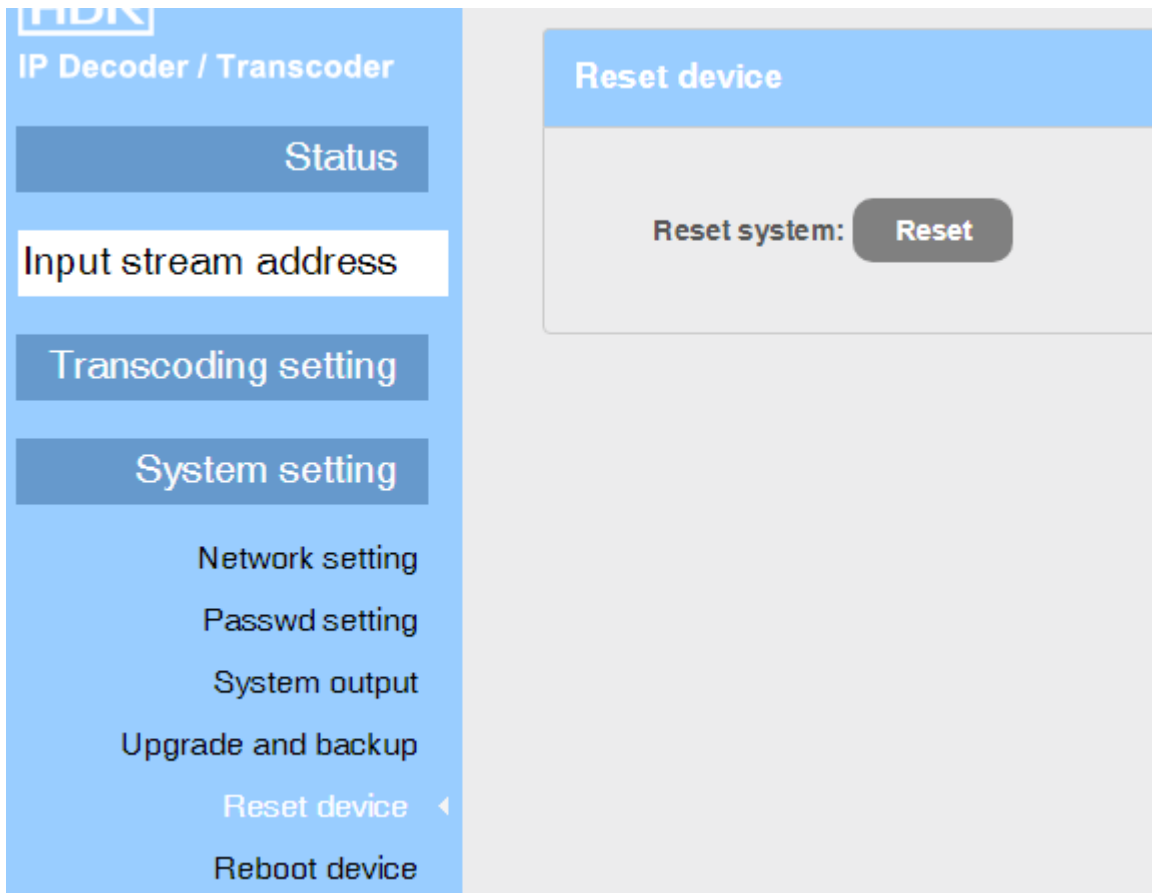
2.4.4 System Upgrade and backup

Ensure the Upgrade file name is up.rar. Please don't upload by different people at the same time, don't power off or refresh the page during upgrade.



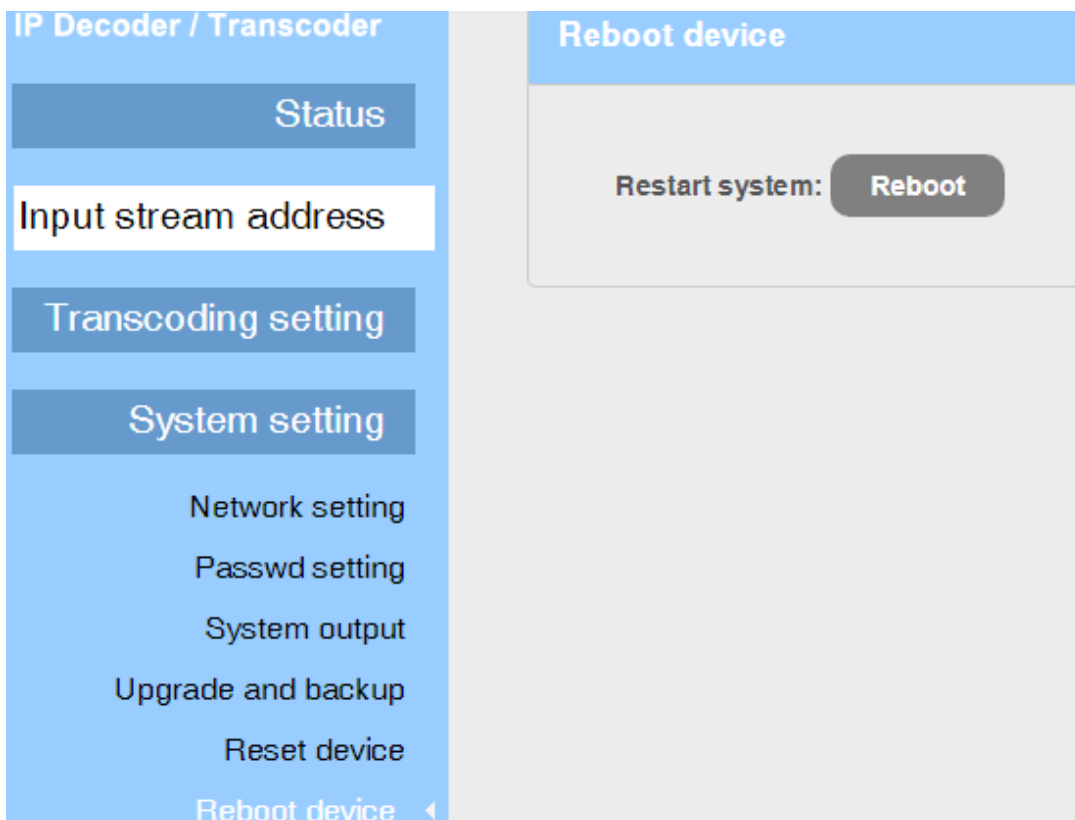
2.4.5 Reset device

Reboot the device after reset the device, all settings will restore to factory settings.



2.4.6 Reboot Device

After your settings settled, reboot the device to apply the configuration.



2.5 Status

2.5.1 System Status

After all settings settled, from the status page, you can check the device running status, if any error, please ensure the streaming URL is correct.

The screenshot displays the web interface for a 4K HDR IP Decoder / Transcoder. The left sidebar contains navigation options: Status (highlighted), Input stream address, Transcoding setting, System setting, Network setting, Passwd setting, System output, Upgrade and backup, Reset device, and Reboot device. The main content area shows the 'Status' page with three sections: System status, Decode channel1, and Transcode channel1.

4K HDR
IP Decoder / Transcoder

Status

System status
Runtime: 0000-00-00 00:29:08
CPU usage: 40%
Memory usage: 205MB/975MB
net status: internet
Output format: 1080P60
Channel number: 1

Decode channel1
Decode address: http://192.168.1.150/0.ts
Decode status: normal
Frame rate(fps): 30
Bitrate(kbit): 5439

Transcode channel1
Encode type: H.264
Encode size: 1280x720
Bitrate(kbit): 3200
TS URL: http://192.168.1.169/0.ts
FLV URL: http://192.168.1.169/0.flv
RTSP URL: rtsp://192.168.1.169/0

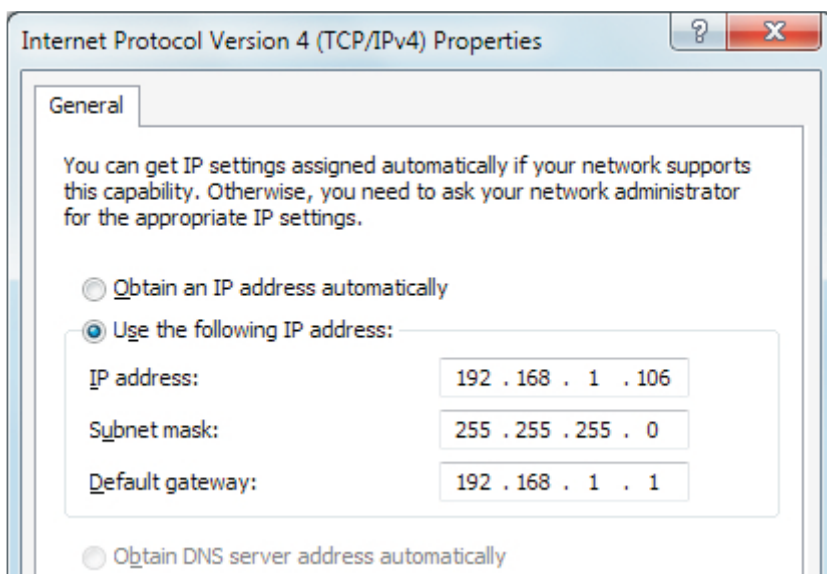
3. FAQ

3.1 How to reset this device?

When power on, hold the RST button around 10 seconds till the status led off, then release it, the decoder will be initialized.

3.2 I can't enter into the decoder control panel or ping it?

- 1) Ensure the decoder IP with your router in same gateway, such as Decoder IP is 192.168.1.169, but your router IP is 192.168.0.1 or else, in this situation, you need connect the decoder with your computer directly, and set the computer IP to 192.168.1.106, then enter the decoder control panel - Network, set the its IP to 192.168.0.169, click setup, and reboot the decoder.
- 2) Connect the decoder with your router or switch, change back your computer IP.
- 3) If still not works, pls contact us.



3.3 I can't watch the video on TV/Display.

Please ensure the streaming url is correct, and network connection is good.