

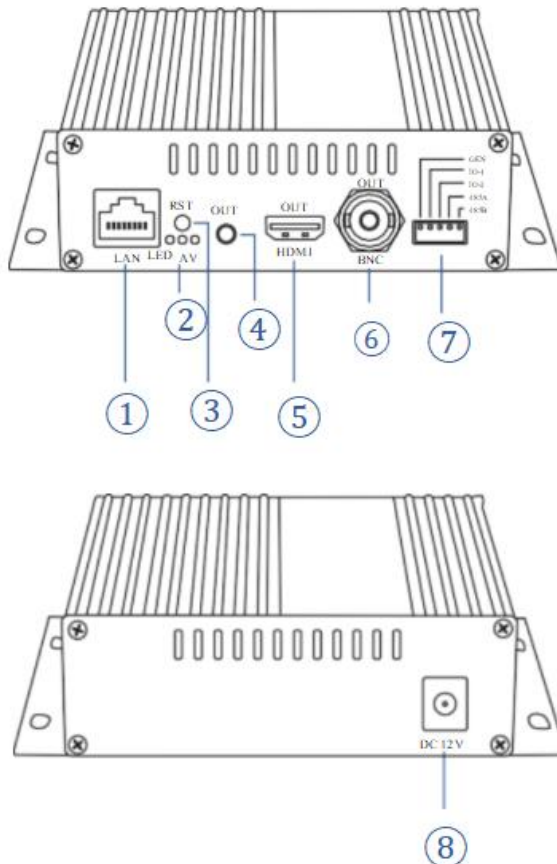
# Video Decoder Manual

The device's default **User name: admin**

The device's default **password: admin**

Default IP address: **192.168.1.160**

The decoder is an UHD media decoder, it allows up to 4\* H.264/ H.265 IP (RTMP/ RTSP/ RTP/ HTTP/ HLS/ UDP/ SRT), MPEG1, MPEG2, MPEG4, P2P, VP8/ VP9/ AVS/ AVS+ decoding and then output through 1port HDMI & 1port BNC (analog), 1ch 3.5mm audio Jack/ CVBS. It is completely support 4096\*2160 30, 1080 P/I 60, meanwhile, RS485 supported (I&O input and output)



## Interfaces

- ① LAN- Ethernet port  
Need to configure the IP gateway of the decoder if need to normally use it.
- ② LED indicators  
RED: POWER ON  
Green: Network
- ③ RST- Reset  
Keep sticking the RST button until the GREEN light off
- ④ AV OUT- CVBS out
- ⑤ HDMI OUT-HDMI out
- ⑥ BNC OUT-BNC out
- ⑦ RS485  
GEN  
IO-1  
IO-2  
485A  
485B
- ⑧ Power In  
12V 2A power required

# Setup computer IP

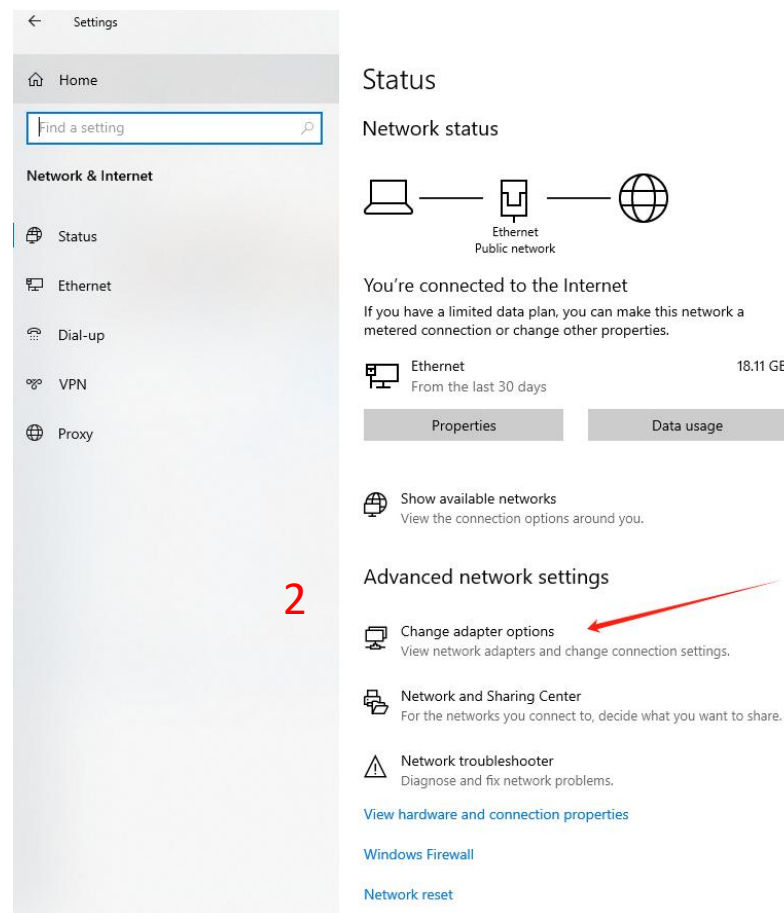
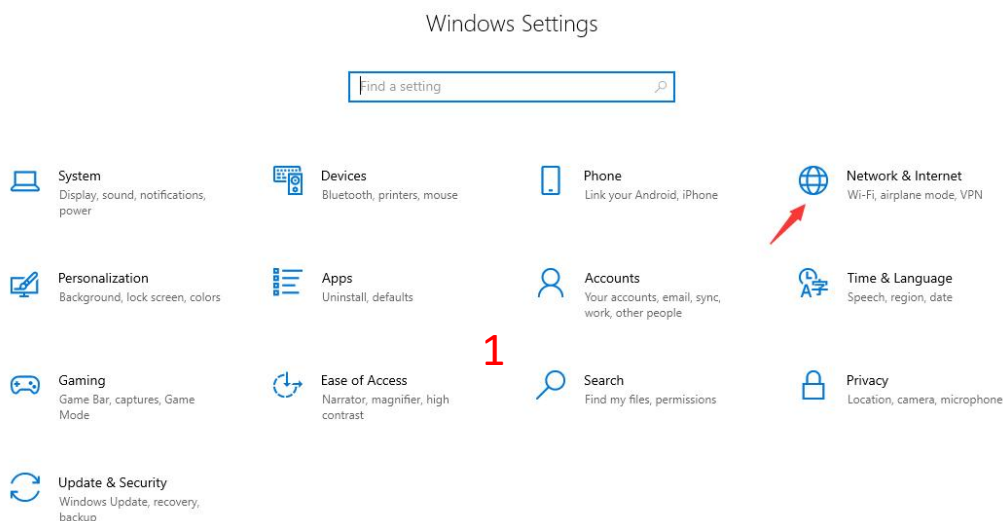
## Steps

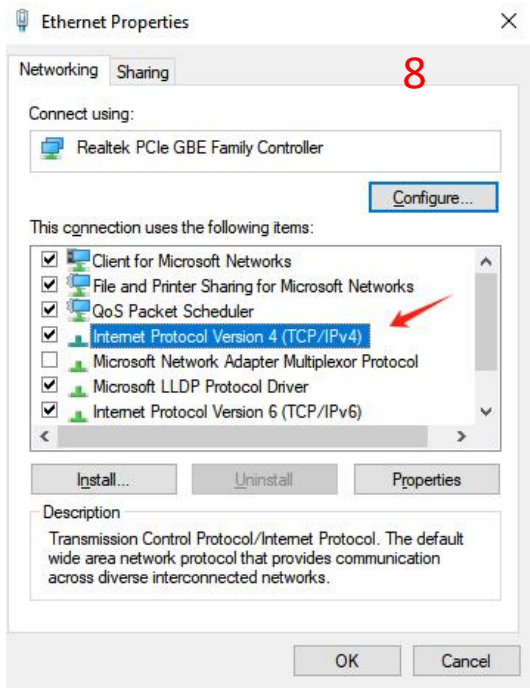
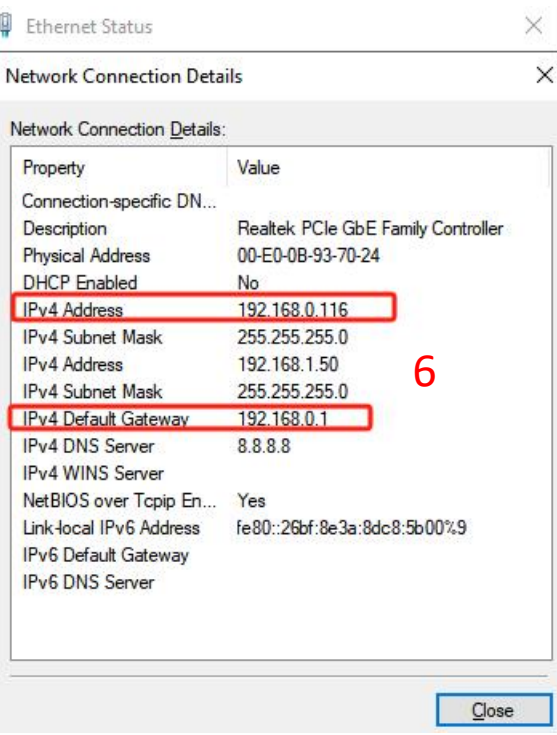
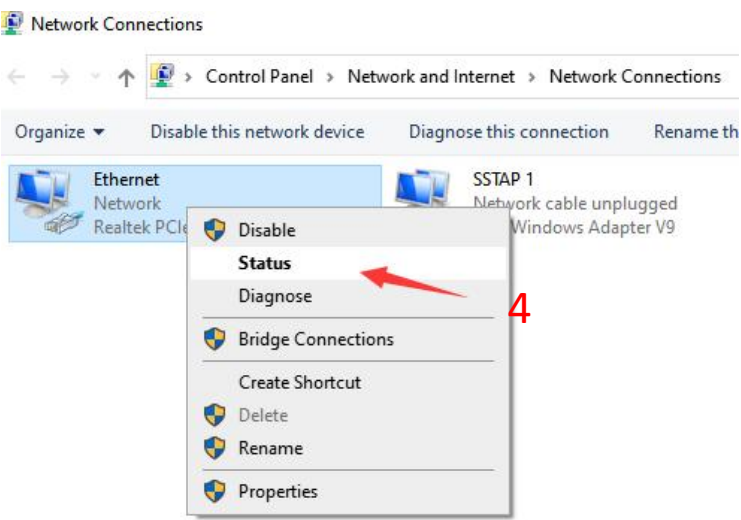
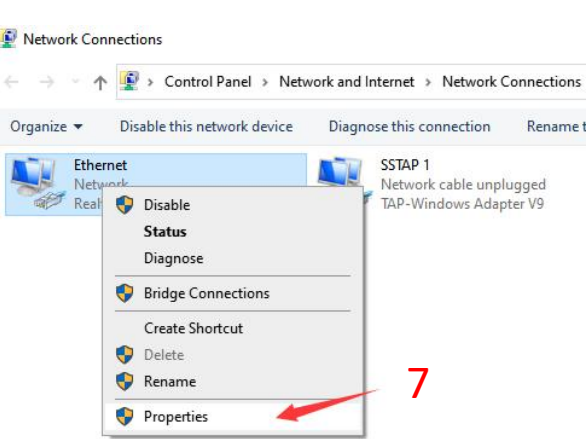
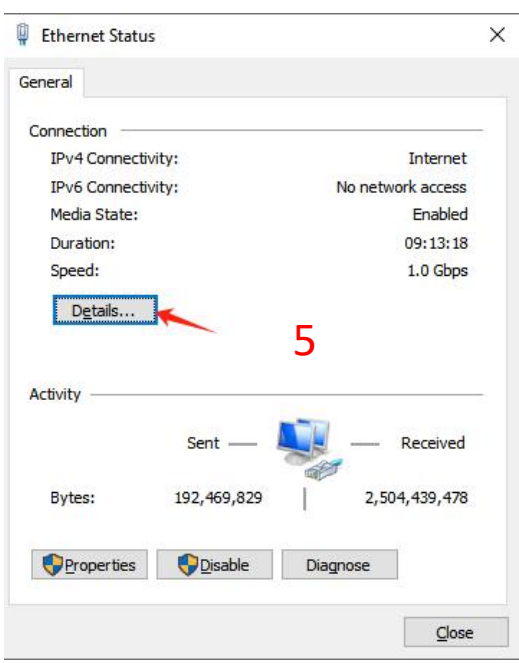
Enter “network center” – “Local” - “Properties”- “TCP/ IPv4”

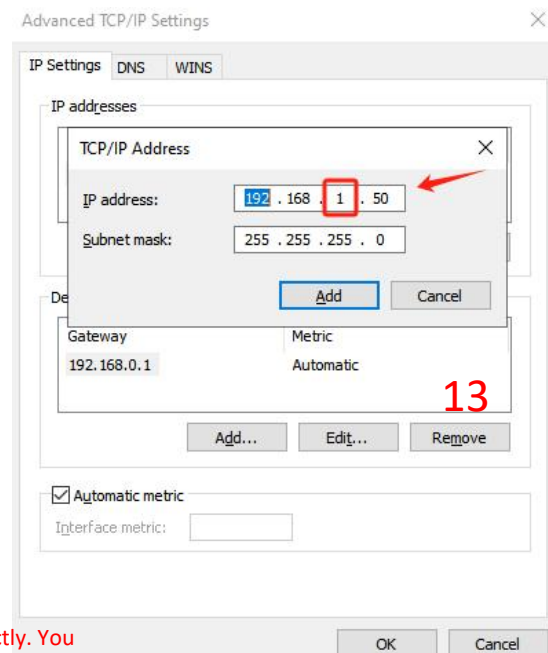
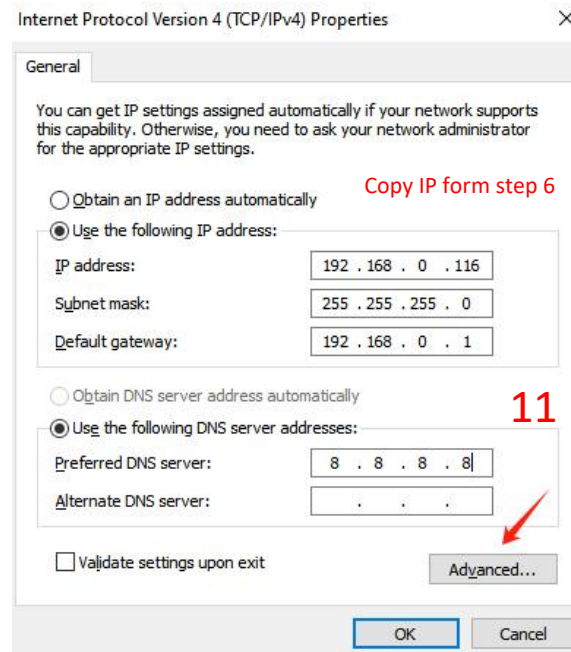
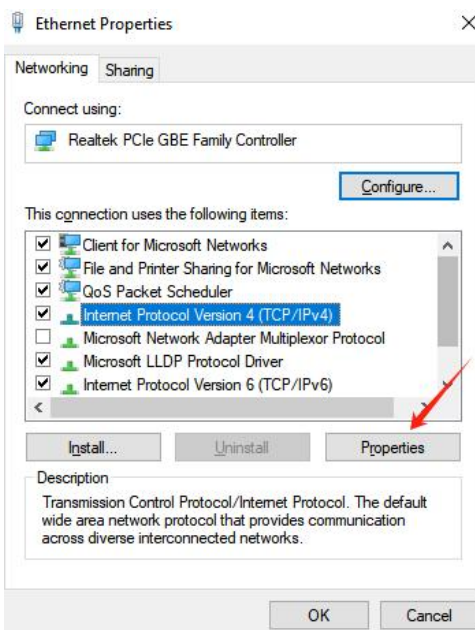
For example: Default computer IP gateway: 192.168.0.1

Input Ip address: 192.168.1.100 subnet mask: 255 255 255 0

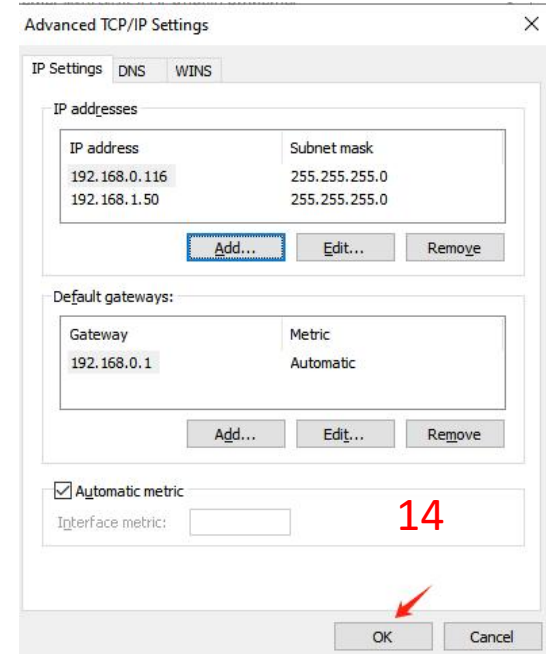
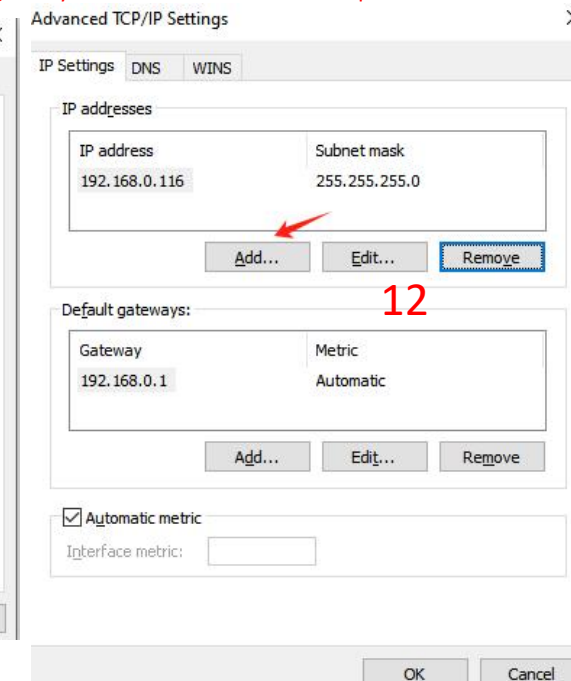
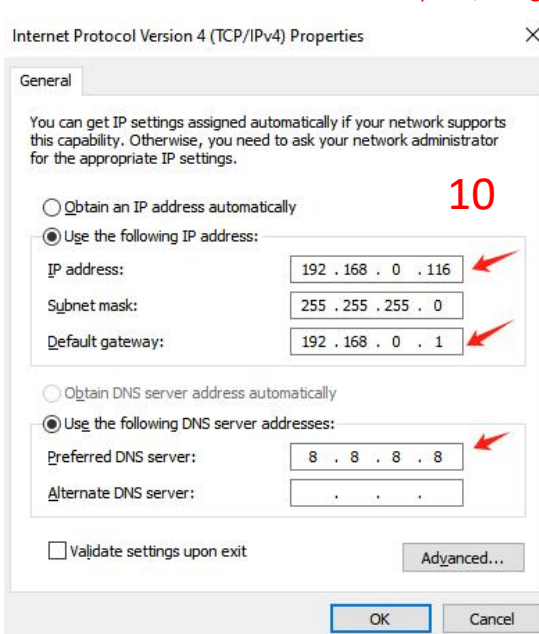
( Don't set ip address to: 192.168.1.160 )







Note: When using RTMP, be sure to set DNS in the encoder network settings correctly. You can understand the DNS parameters of your network through the network connection of your computer; or log in to your router to check the WAN port status.



4k Decoder A

Status

Status

Network

Decode

System

PTZ

Status

Split mode: 2×2

http://192.168.0.199:8080/live/144.m3u8

input:

4k Decoder A

Status

Network

Network

Decode

System

PTZ

Network

DHCP: Disable

IP: 192.168.1.160

Netmask: 255.255.255.0

Gateway: 192.168.1.1

DNS: 114.114.114.114

MAC: EA:E3:40:AD:A2:CA

Apply

## URL mode

Input stream URL need to decode

4k Decoder A

Status Network Decode System PTZ

**Decode**

Open protocol video P2P video SRT Settings

Output resolution: 4096x2160p-30

Output CVBS resolution: 720x576i-50

network caching: 0 ms

MPTS Program: 0 (URL1 MPTS Accive)others must set 0.

Audio Track: 0 (URL1 MPTS Accive)others must set 0.

Soft Decode: Off

private protocol: close

Path Setting URI

Split mode: four screen

Input 1: http://192.168.0.199:8080/live/

Input 2:

Input 3:

Input 4:

Chanel: 0

## P2P decoding

Mode 1: Intranet option, will search the P2P devices over intranet, chose the device need to works with, then apply.

4k Decoder A

Status Network Decode System PTZ

**Decode**

Open protocol video P2P video SRT Settings

UID Input mode:

Intranet search

# SRT Settings

## Encoder To Decoder

If just need to use it in intranet, login the encoder, SRT function displays on the bottom of “HDMI main”, the decoder displays SRT function on the “Decode”.

### Encoder side

HD Encoder A

Status

Network

HDMI Main

main

HDMI 2nd

Extended

System

HDMI Main

Set Stream Video: H264

channel name: chan

error control: disable

flip control: disable

aspect ratio: auto

bitrate control: CBR

key interval: 30 [5-200]

encoding size: auto

bitrate: 1200 [16-12000]

fluctuate level: auto

H.264 Profile: main profile

encoding frame rate: 25 [5-60]

Package: H264

buffer mode: 132x7

PMT ID: 250 [1-65535]

transport ID: 254 [155-3040]

stream ID: 250 [155-3040]

program ID: 1

SOT name: Service01

HTTP: hdmi [Enable] start with "Y"

HTTP Port: 80 [1-65535]

RTSP: hdmi [Disable] start with "Y"

RTSP Port: 854 [1-65535]

RTSP Authentication: Disable

RTSP mode: video+audio

RTSP TCP: UCP

TTL: 16 [0-255]

unicast IP: 192.168.1.200 [Disable] [support domain or ip format]

unicast port: 1234 [1-65535]

multicast IP: 239.0.0.1 [Disable]

multicast port: 1234 [1-65535]

RTP Server IP: 192.168.1.123 [Disable]

RTP Port: 8558 [1-65535]

RTMP: URL MODE [Disable]

RTMP mode: video+audio

RTMP URL: rtmp://

SRT: Listener [Disable]

Encrypt: Disable

Listen Port: 9000

latency: 0 [unit:ms]

Apply

### Decoder side

4k Decoder A

Status

Network

Decode

Decode

System

PTZ

Decode

Open protocol video P2P video SRT Settings

display mode: one screen

srt1: open listener Mode: close

server IP: 192.168.1.168 9000

transport SRT port: 0 close

transport SRT addr: srt://@192.168.0.195:0/?mode=server

SRT delay: 0

SRT password:

Set

RTMP: URL MODE [Disable]

RTMP mode: video+audio

RTMP URL: rtmp://

SRT: Listener [Disable]

Encrypt: Disable

Listen Port: 9000

latency: 0 [unit:ms]

Apply

Encoder IP is 192.168.1.168