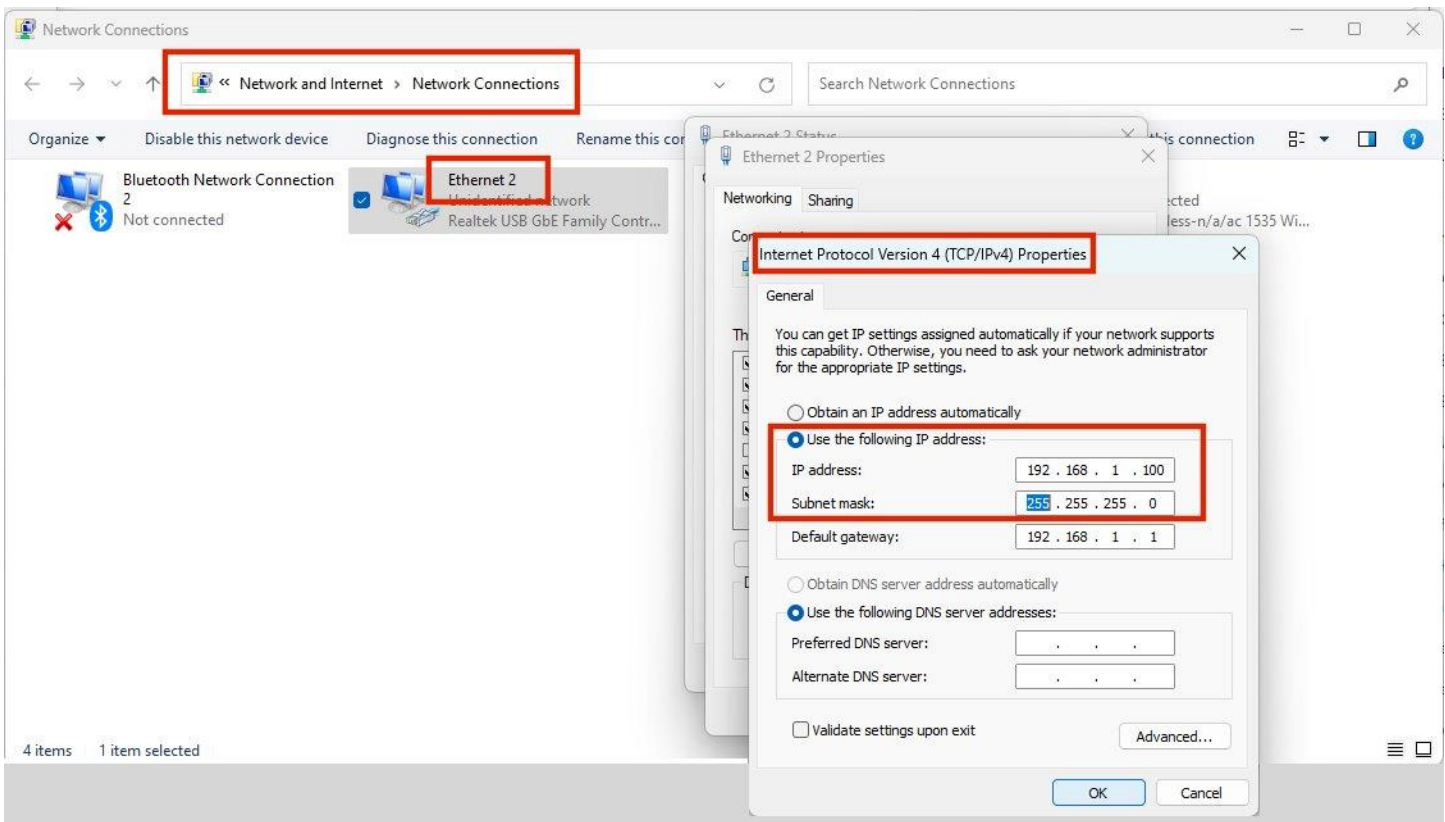# Infinium Encoders

Quick setup

Configure the Infinium to stream

The Infinium encoders needs to be set to the final IP_ADDRESS and the final MULTICAST IP ADDRESS

1) Configure your computer to a static IP address 192.168.1.100

2) Connect your computer ethernet to the first Infinium encoder ethernet port

3) Open your computer browser and enter in the link bar 192.168.1.168

4) If all is configured as expected, the WEB INTERFACE of the encoder module should display
   IF NOT, please check your computer settings for a static ip address as above.
   IF THE INFINIUM MODULE IS NOT NEW, the ip address might have been changed, so it is necessary
   to reset the module to factory by holding the micro reset button (mini hole) on the encoder card panel
   for 30 seconds. This way the IP address will go back to 192.168.1.168 default and you will need to set
   the module again from scratch to your ip addresses and other settings.

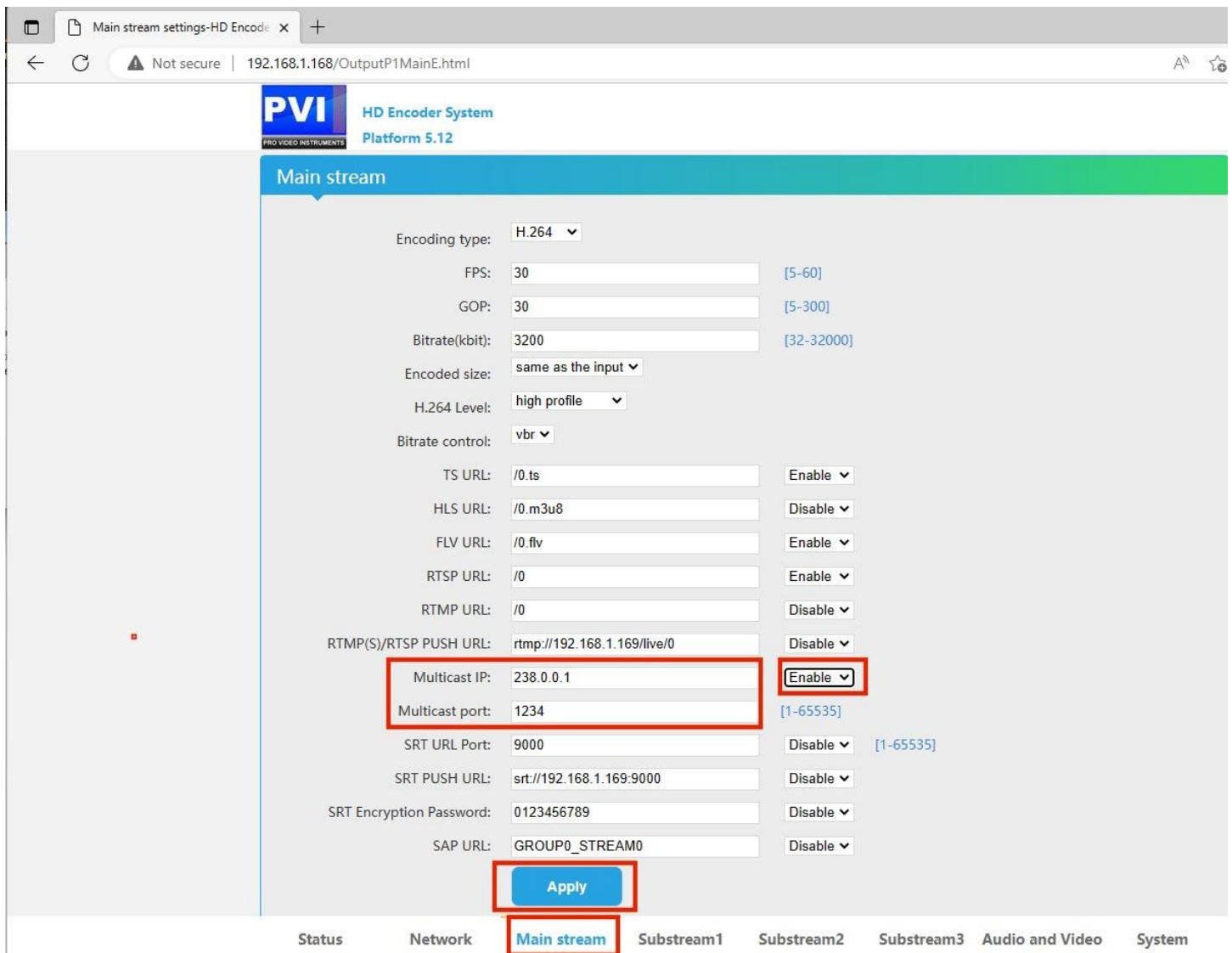5) Login to the encoder web interface with user name "admin" and password "admin"
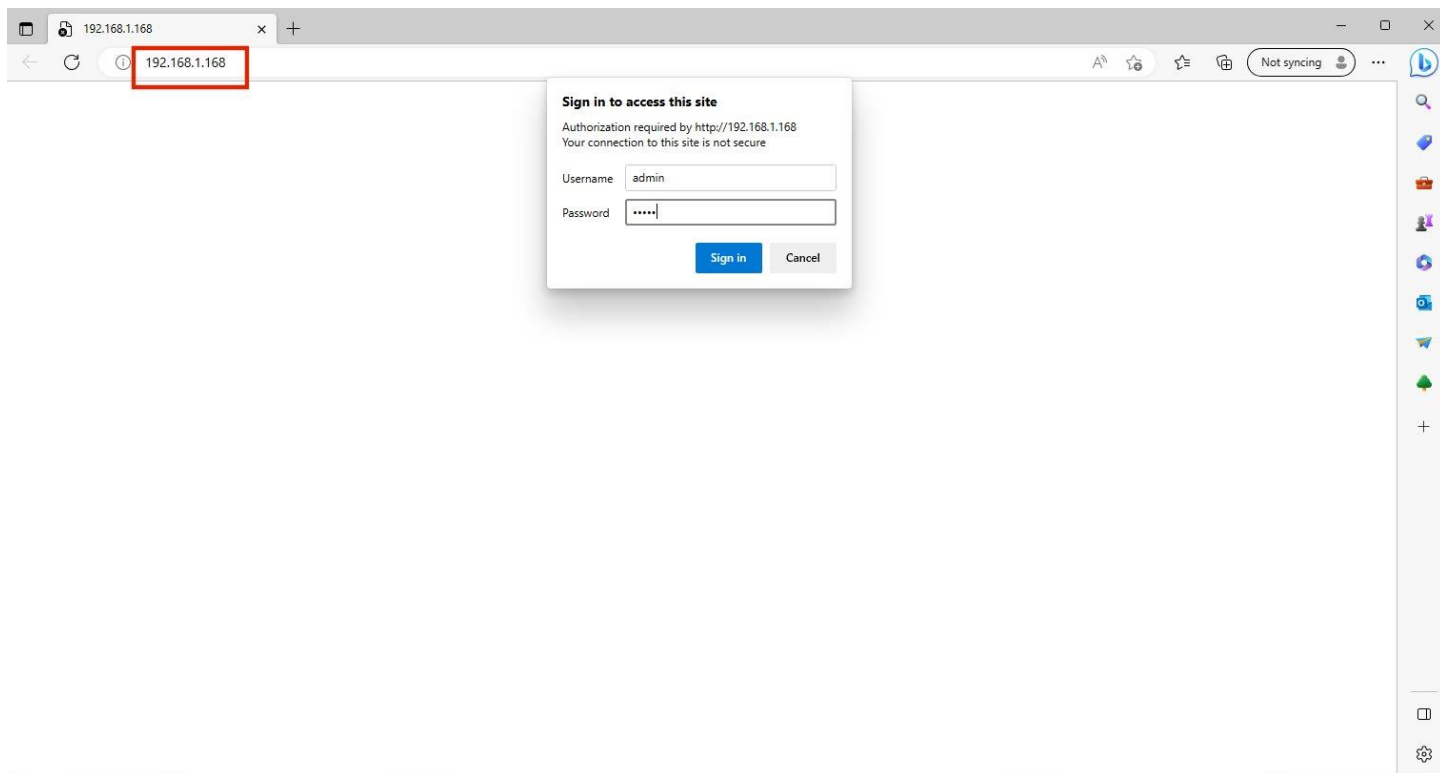
6) On the encoder go to the MAIN STREAM and set the MULTICAST IP ADDRESS to use for this channel. In our example we use 238.0.0.1 and port 1234

   Please MAKE SURE NOT TO USE THE SAME ADDRESS ON EACH ENCODER OR THEY WILL CONFLICT !!!

   As example use 238.0.0.1 on the first encoder, then 238.0.0.2 on the second, then 238.0.0.3 on the third encoder card, and so on. There is no need to change the port which can be 1234 for all encoders.

   Remember to ENABLE the multicast via the drop down selector on the right of the multicast line, and to APPLY to save on the bottom of the page.

7) On the ENCODER NETWORK TAB make sure to change the web interface IP ADDRESS so each **encoder has a DIFFERENT IP and will not conflict**

As example you can use 192.168.1.201 on the first encoder, then 192.168.1.202 on the second encoder, 192.168.1.203 on the third and so on..

Click APPLY on the bottom of the page to save.

Remember the ip address you set per each module or you won't be able to access the web interfaces after you apply
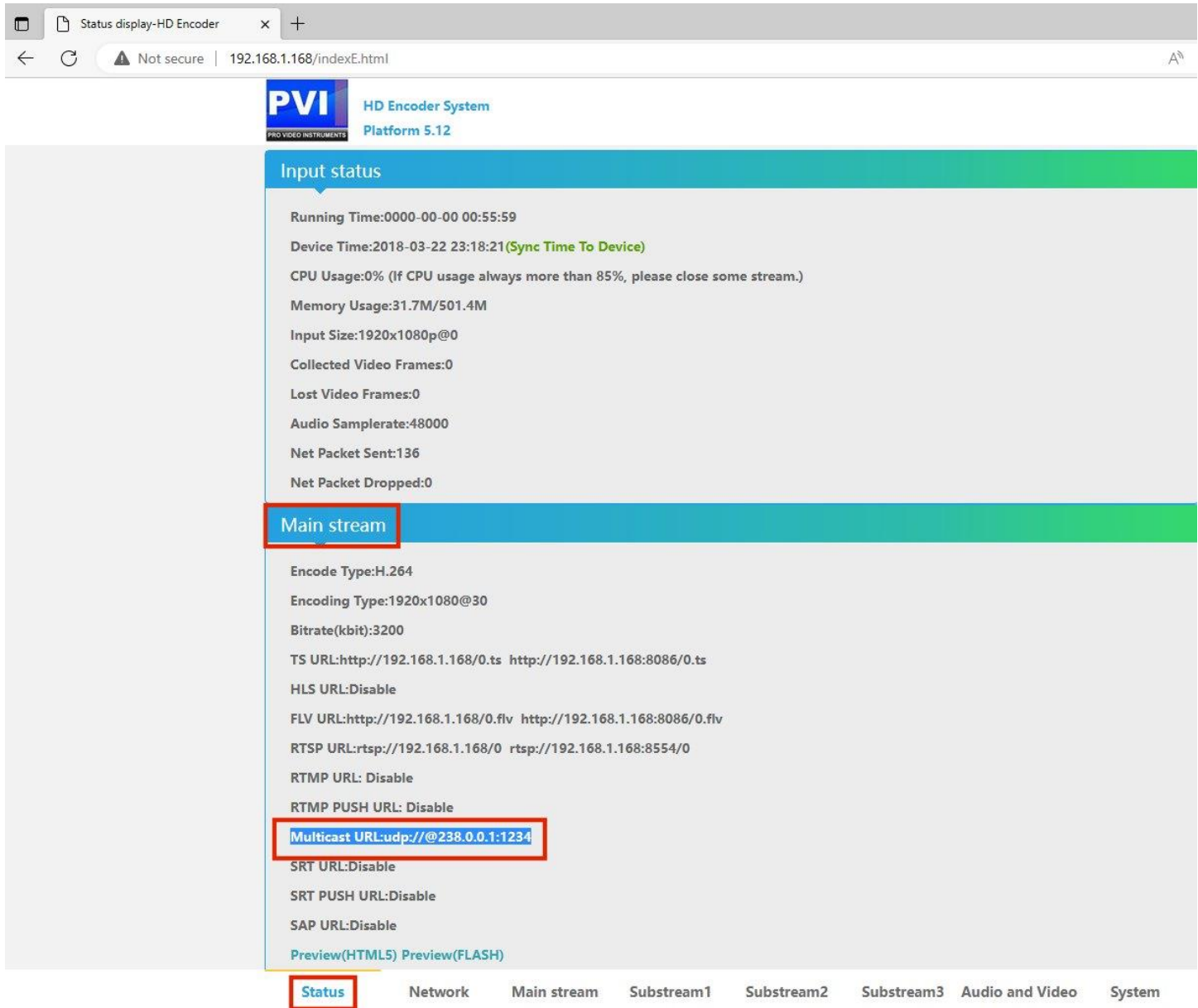
8) On the STATUS PAGE of the encoder you can check if the MULTICAST of this encoder card has been properly configured and see the multicast address it is streaming on


9) Repeat steps 1 through 7 per each encoder card of your system

10) Connect the Encoders to a NETWORK SWITCH. If the encoders are streaming their own TEST PATTERN each related LED on the switch will start flashing continuously indicating there is streaming coming from that encoder card.

11) Connect your Computer to the switch and Use VLC VIDEOLAN software to test / play each stream to verify all is working.   In this example we test the stream from the first encoder 238.0.0.1 port 1234
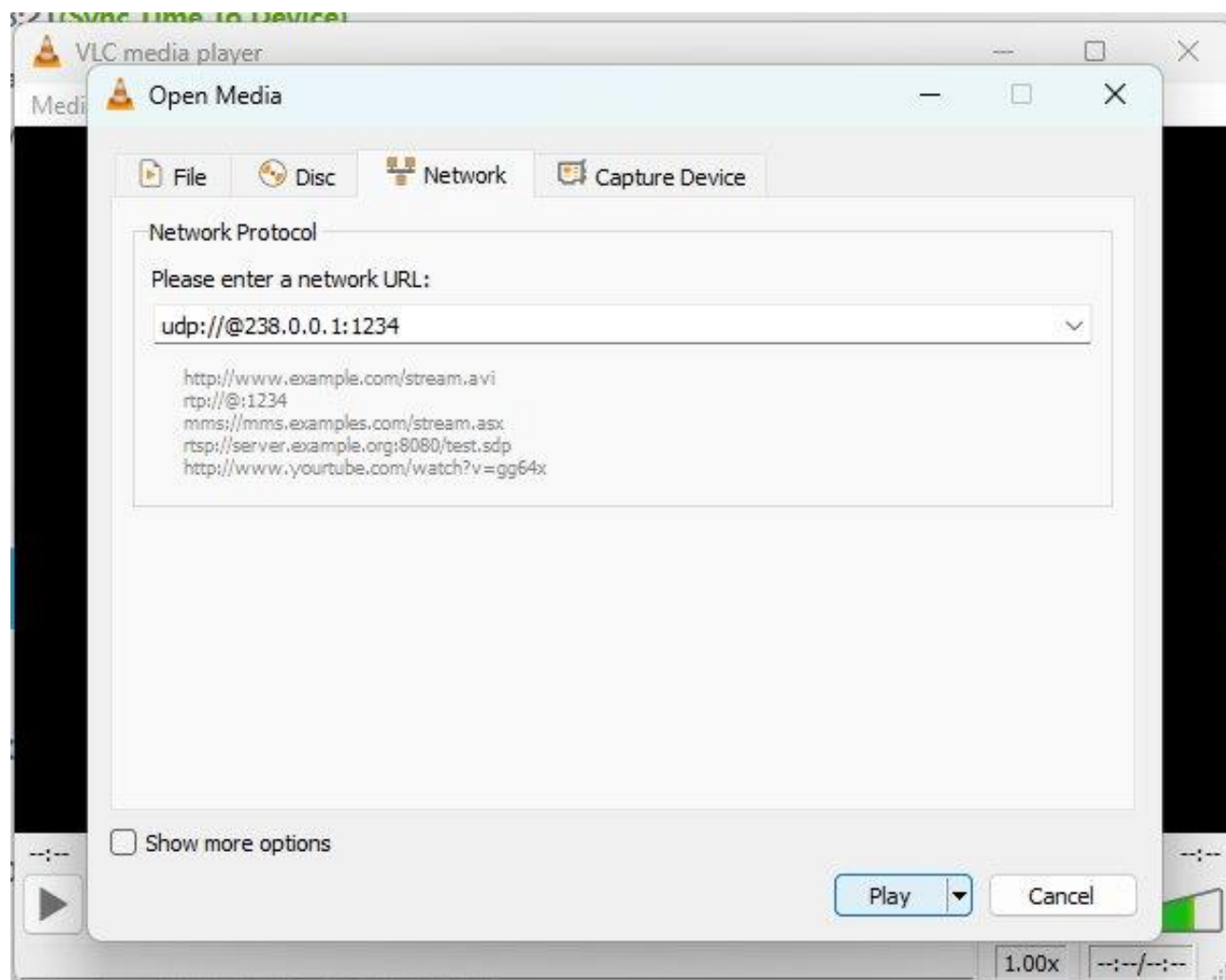
we can take the test link from the STATUS PAGE of the encoder as per step #8 above.

udp://@238.0.0.1:1234

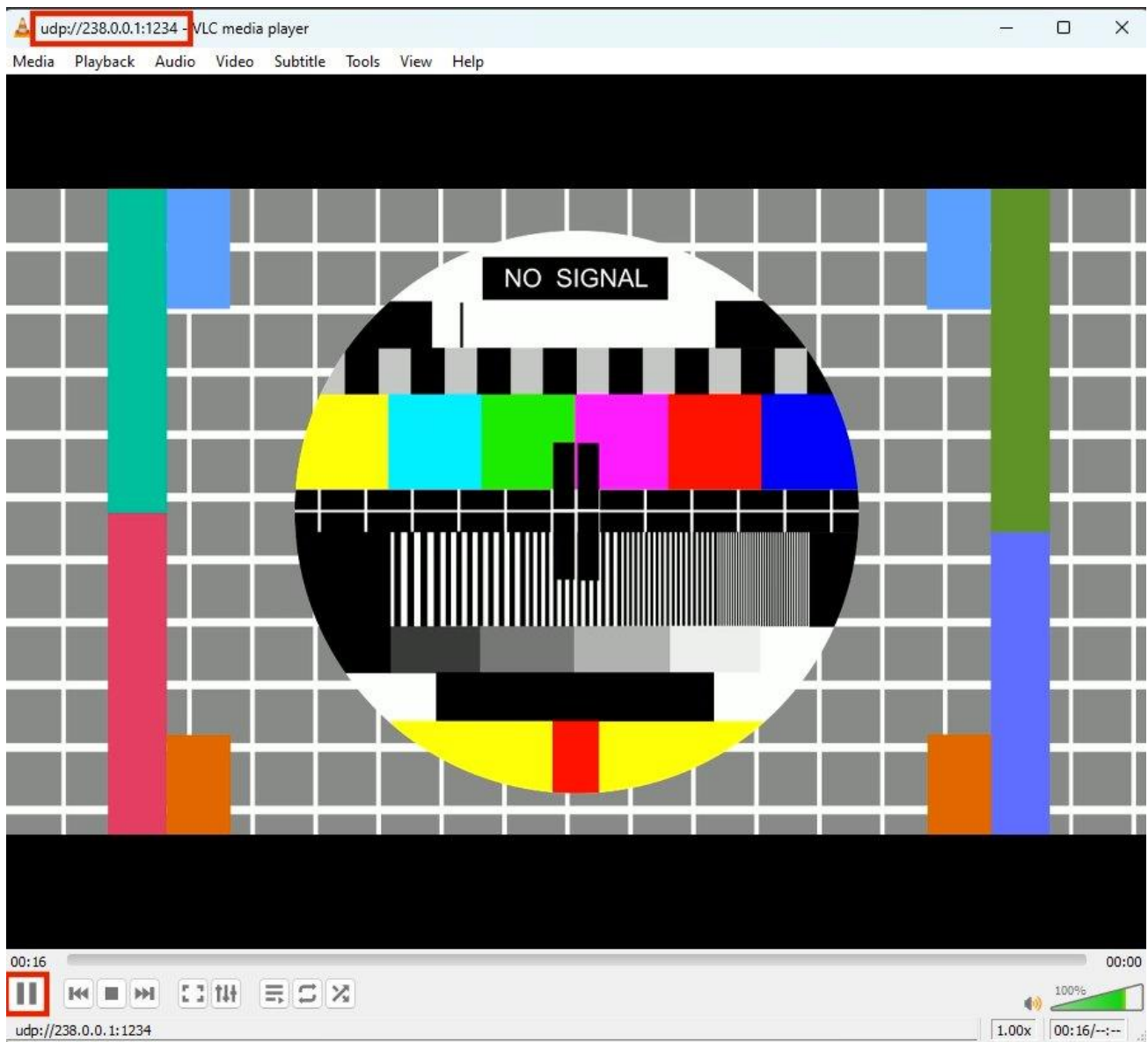12) On VLC software click FILE > OPEN NETWORK STREAM
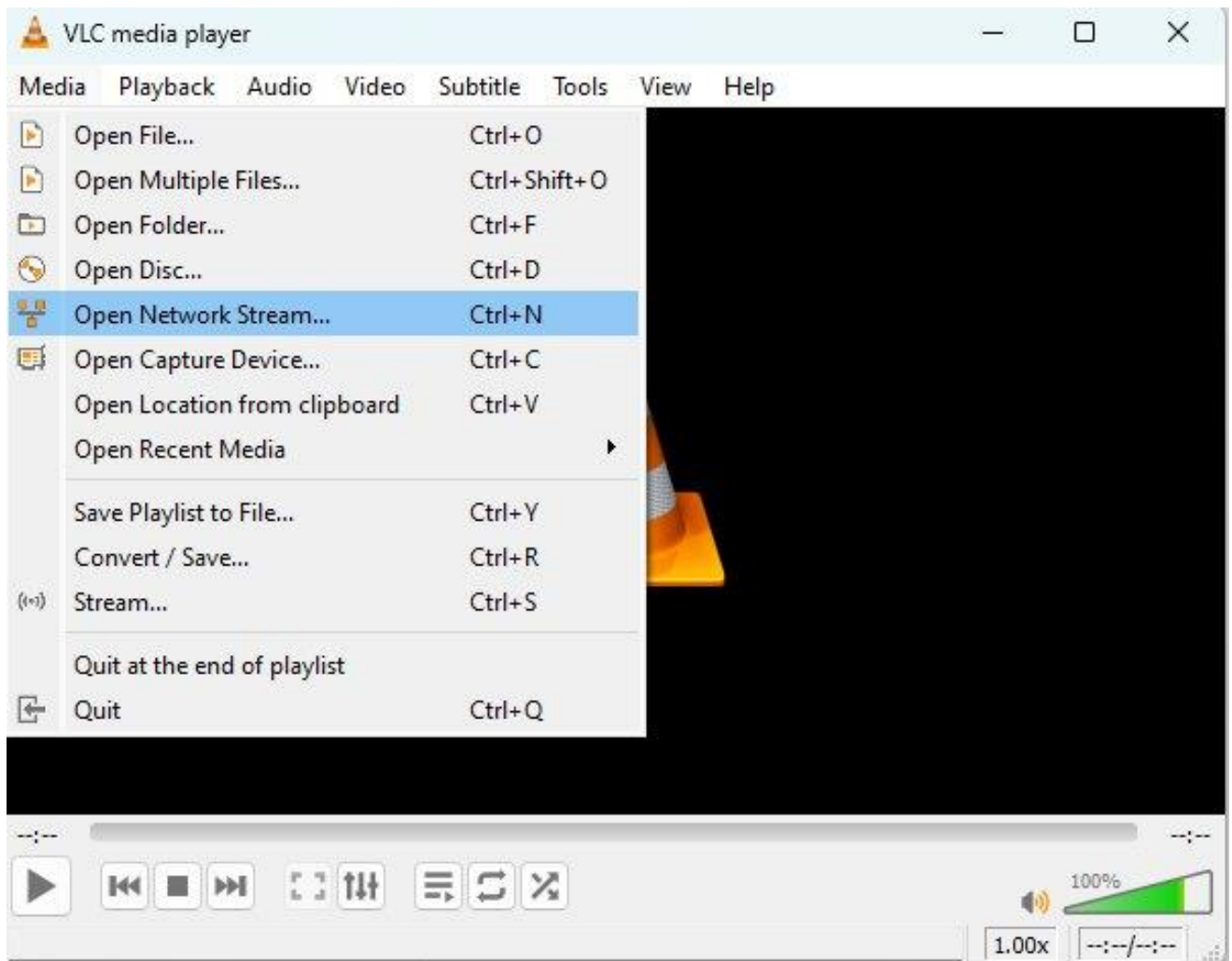
13) Enter the UDP multicast address **udp://@238.0.0.1:1234**

14) Hit PLAY

VLC will start playing the stream coming from this encoder.

Repeat the same test for all encoder using the proper multicast ip address UDP://@238.0.0.2:1234   then UDP://@238.0.0.3:1234   then UDP://@238.0.0.4:1234 and so on, so you can test each encoder IS streaming

For any other setting on the encoders, please follow the MAIN instruction manual.