

Synamedia MEG setup – HSN

HSN2 HD MP4 to SD MP2 - ASI Out

Task- Configuring Synamedia MEG IRDs

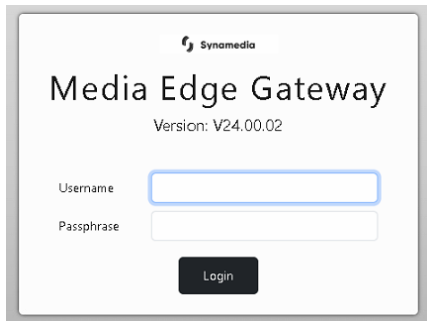
Condition- Transcoding HSN1 HD from MP4 to SD MP2 - ASI Out

Standard- How to configure a Synamedia MEG IRD for transcoding

Action Items:

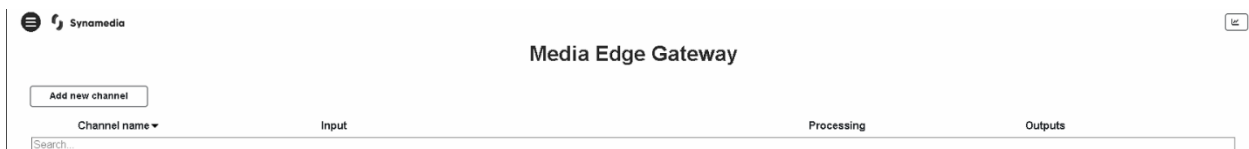
- Transcoding HD MP4 to SD MP2
 - Begin by **Browsing to IP** of MEG IRD (Default ip - 192.168.2.20)
 - **Enter UN & PW** (see figure 1) (UN: Admin ;PW: Password)

figure 1 - Login



- Click on **Add New Channel** (see figure 2)

figure 2 – Add Channel



- Choose which option you would like to do
 - Select **Linear Transcode** for ASI setup (see figure 3)

figure 3 - Transcode

What would you like to do?

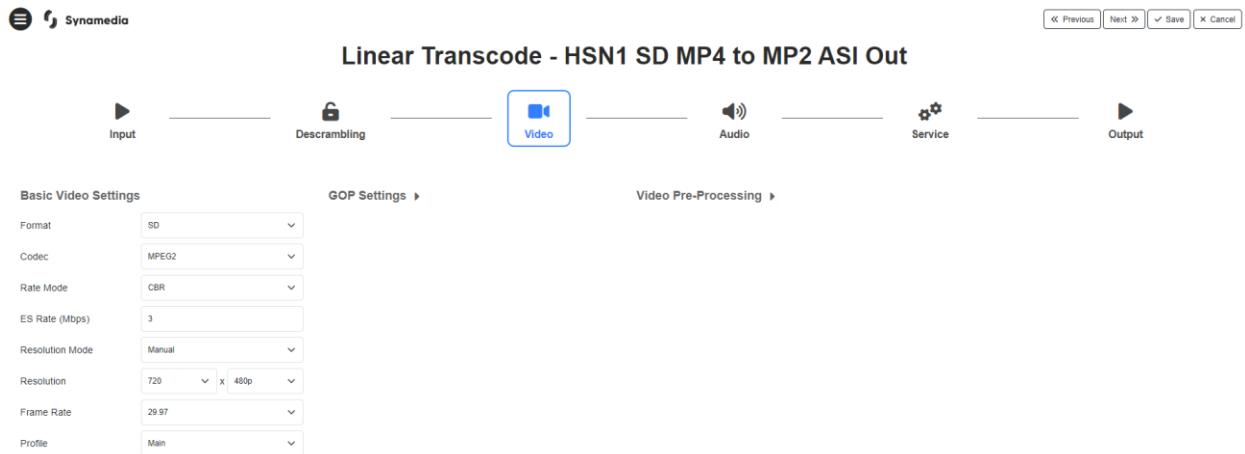
Linear Transcode
Linear Encode
ABR Transcode
ABR Encode
Video Decoding
Service Routing

- Transcode – ASI
 - Enter a **Channel Name (HSN1 HD MP4 to SD MP2 - ASI Out)**
 - Select **Use Existing Input**
 - **Input Selection - DVB-S2:DVBS2 1 (4.08GHz)**
 - Select which **Service ID** you would like to transcode by choosing the service in the **Dropdown Menu - (20) for HSN1 HD** (see figure 4)

figure 4 – Configure Transcode Options

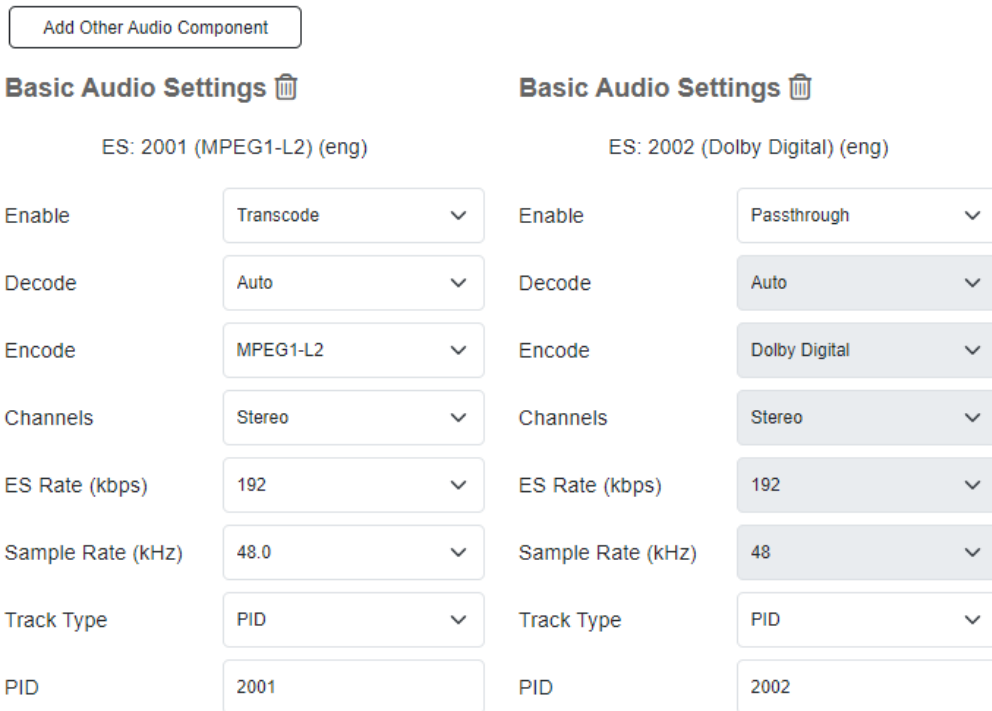
- **Descrambling - Disabled**
- Click on **Video** tab next
 - Configure **Basic Video Settings**
 - Select the **Format** you would like to Transcode to
 - Select SD
 - Select **Codec** you would like to Transcode to
 - Select MPEG2
 - Select which **Resolution Mode** you would like to use
 - For SD services, select **Manual**
 - Verify the **Resolution** is set to **720x480p**
 - Verify **Frame Rate** is set to **29.97**
 - Leave defaults values for the remainder of settings (see figure 5)

figure 5 – Choose Format and Codec



- Click on **Audio** tab next
 - Click on **Add ES: 2001 (MPEG1-L2) (eng)**
 - Enable - Select **Transcode** for MPEG1-L2 audio
 - Leave defaults values for the remainder of settings
 - Click on **Add ES: 2002 (Dolby Digital) (eng)** for Dolby Digital Audio
 - Select **Dolby Digital** in the **Encode** dropdown
 - Enable - Select **Passthrough** for Dolby Digital audio
 - Leave defaults values for the remainder of settings (see figure 6)

Figure 6 – Configure Audio Settings



- Click on **Service** tab next
 - Enter 2000 for delay (2 seconds) (see figure 7)

figure 7 – Configure Processing Delay

Service Settings

Processing Delay (ms)

- Click on **Output** next
 - Select **Type**
 - Select **ASI**
 - Select which **ASI port** you would like to use (Asi1)
 - Leave remaining fields as default values (see figure 8)

Figure 8 – Configure Output

The screenshot shows the Synamedia Linear Transcode interface. At the top, there is a navigation bar with icons for Input, Descrambling, Video, Audio, Service, and Output. The Output icon is highlighted with a blue play button. Below the navigation bar, there are two configuration sections: Output TS Configuration and Output Service Configuration. The Output TS Configuration section has fields for Type (ASI), Port (ASi1), ON ID (1), TS ID (1), and Streaming (Active). The Output Service Configuration section has a Service ID field with a checked checkbox and the value 20, and a Service Name field with a checked checkbox and the value Program 1. In the top right corner, there are buttons for Previous, Next, Create, and Cancel.

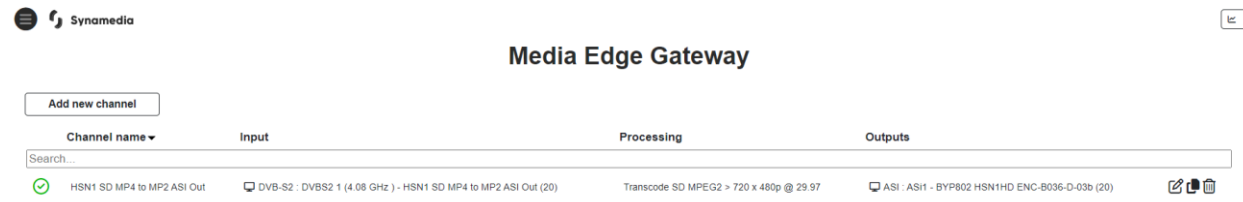
- Tick **Service ID** box
 - Enter **Service ID - 20**
- Click on **Create** in upper right corner (see figure 9)

Figure 9 – Create and Finish



- You should see a popup box that says “Channel activated successfully”
- Setup complete – There should now be 1 channel with a green check mark (see figure 10)

Figure 10 – Channel Created



*Advanced View configurations are beyond the scope of this document.