

Synamedia MEG setup – HSN

HSN1 HD MP4 to SD MP4 - ASI Out

Task- Configuring Synamedia MEG IRDs

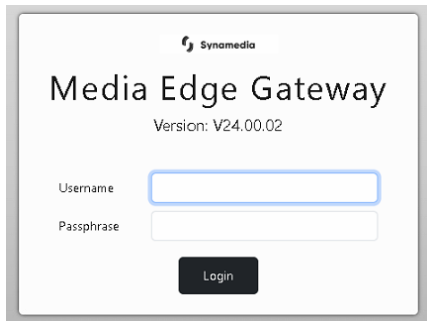
Condition- Transcoding HSN1 HD from MP4 to SD MP4 - ASI Out

Standard- How to configure a Synamedia MEG IRD for transcoding

Action Items:

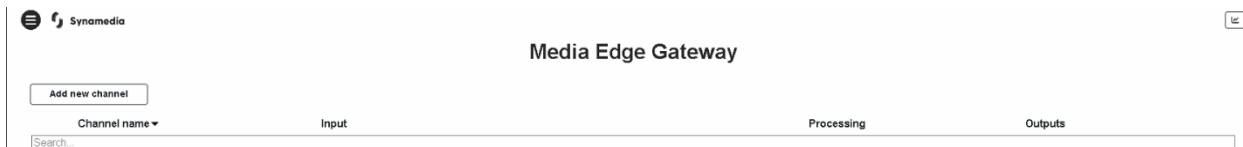
- Transcoding HD MP4 to SD MP4
 - Begin by **Browsing to IP** of MEG IRD (Default ip - 192.168.2.20)
 - **Enter UN & PW** (see figure 1) (UN: Admin ; PW: Password)

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?

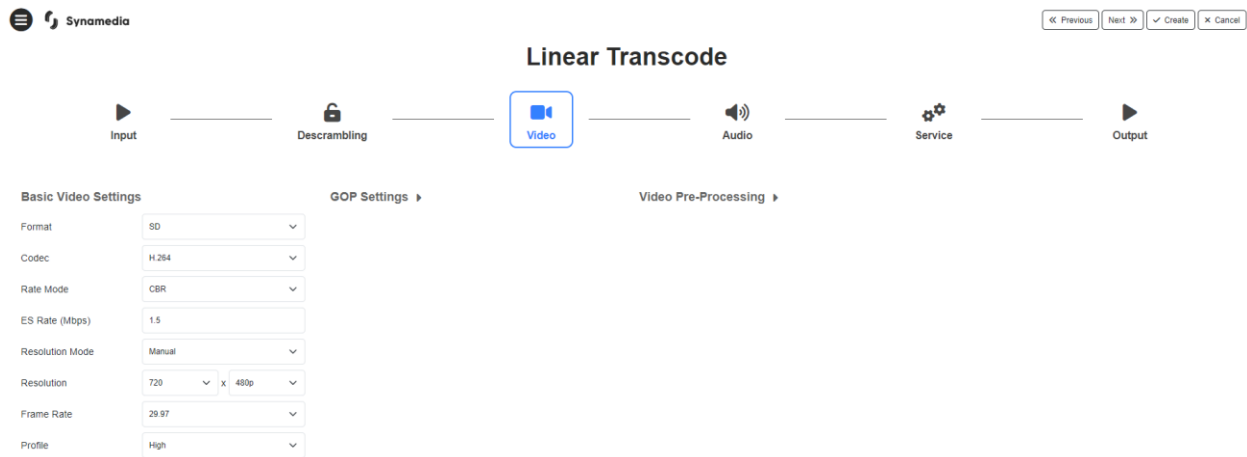
Linear Transcode
Linear Encode
ABR Transcode
ABR Encode
Video Decoding
Service Routing

- Transcode – ASI
 - Enter a **Channel Name (HSN1 HD MP4 to SD MP4 - 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

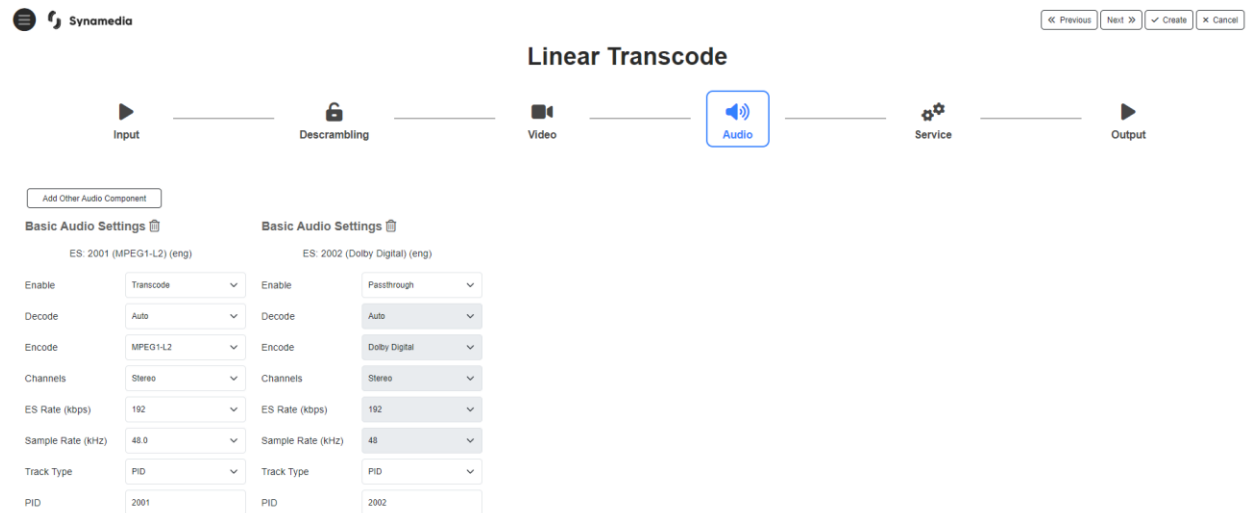
- **Descrambling - Disabled**
- Click on **Video** tab next
 - Configure **Basic Video Settings**
 - Select the **Format** you would like to Transcode to
 - Select SD
 - Select **Codec** you would like to Transcode to
 - Select H.264
 - Select which **Resolution Mode** you would like to use
 - For SD 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)

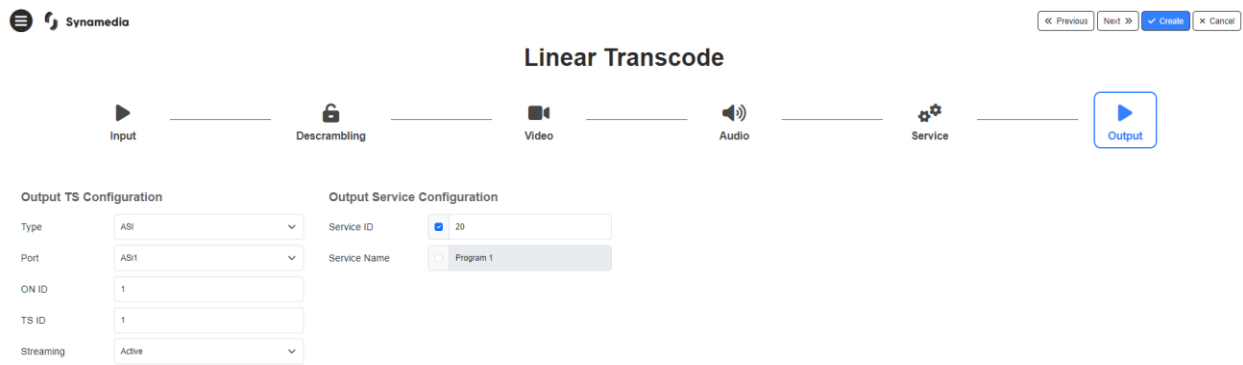
figure 7 – Configure Processing Delay

Service Settings

Processing Delay (ms)

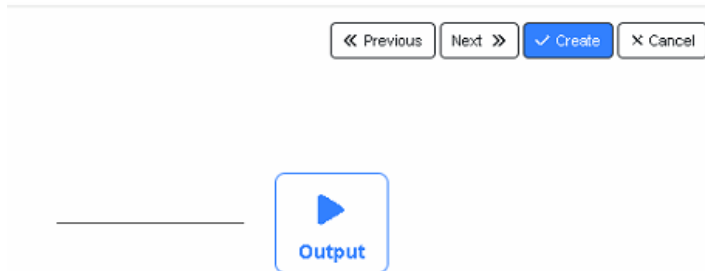
- Click on **Output** next
 - Select **Type**
 - Select **ASI**
 - Select which **ASI port** you would like to use (Asi1)
 - Leave remaining fields as default values (see figure 8)

Figure 8 – Configure Output



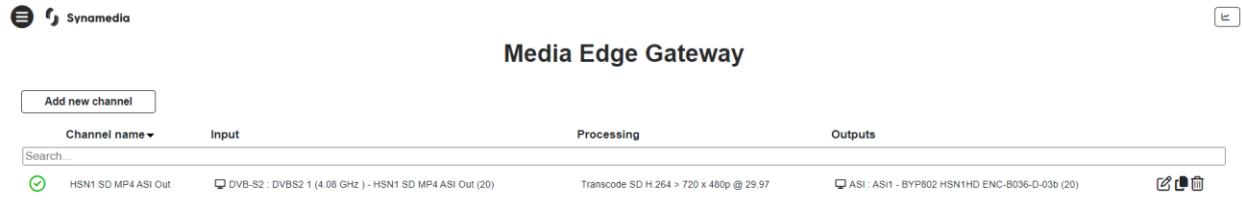
- Tick **Service ID** box
 - Enter **Service ID - 20**
- Click on **Create** in upper right corner (see figure 9)

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.