C-3

Synamedia MEG setup – **HSN**

HSN1 HD MP4 to SD MP4 - TSoip Out
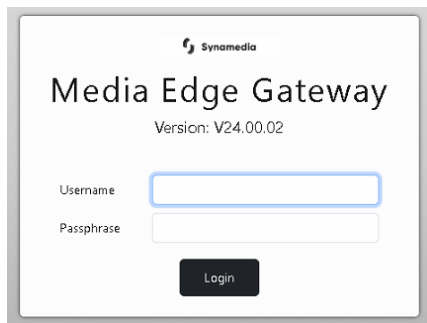
Task- Configuring Synamedia MEG IRDs

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

Standard- How to configure a Synamedia MEG IRD for transcoding
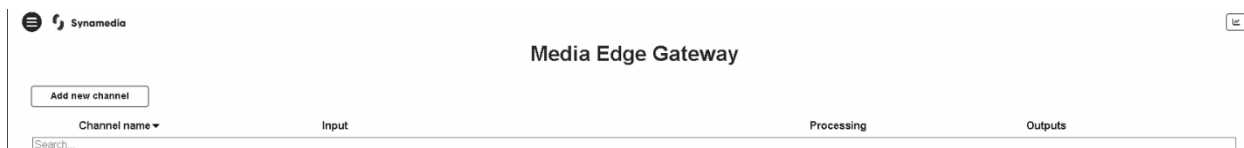
Action Items:

- 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 TSoip setup *(see figure 3)*

figure 3 - Transcode

- Transcode – TSoip
  - Enter a **Channel Name (HSN1 HD MP4 to SD MP4 - TSoip 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)   [2000]

- Click on **Output** next
  - Select **Type**
    - Select **Xgress**
      - Select which **Xgress port** you would like to use (Port-1)
      - Leave remaining fields as default values
  - Tick **Service ID** box
  - Enter **Service ID – 20** *(see figure 8)*

Figure 8 – Configure Output

Synamedia   « Previous | Next » | ✓ Create | ✗ Cancel

Linear Transcode

▶ Input ——— 🔒 Descrambling ——— 🎥 Video ——— 🔊 Audio ——— ⚙ Service ——— ▶ Output

Output TS Configuration   **Output Service Configuration**

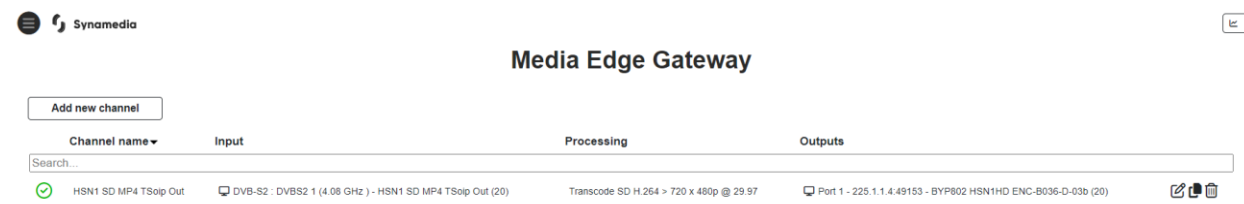| Type | Xgress | Service ID | ☑ 20 |
Port	Port 1	Service Name	☐ Program 1
Host	225.1.1.4		
UDP	49153		
ON ID	1		
TS ID	1		
Streaming	Active		

- 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.