B-2

Synamedia MEG setup – **HSN**

HSN2 HD MP4 to MP2 ASI Out
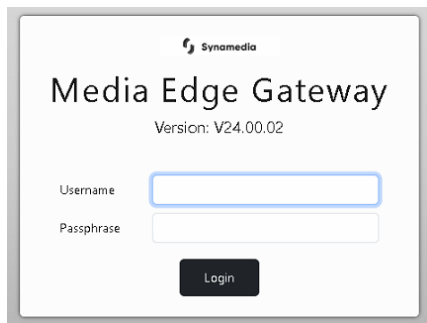
Task- Configuring Synamedia MEG IRDs

Condition- Transcoding HSN2 HD from MP4 to MP2 - ASI OUT

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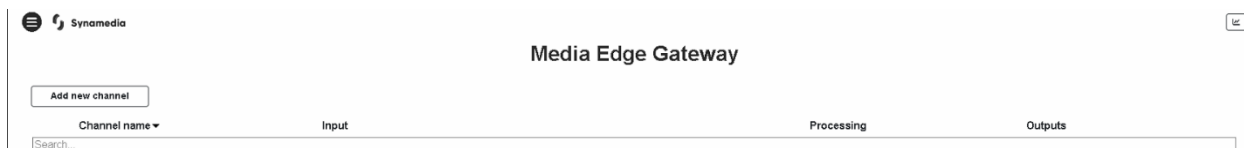
Action Items:

- Transcoding HD MP4 to HD 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

- o Transcode – ASI
    - ▪ Enter a **Channel Name (HSN2 HD MP4 to 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 - (23) for HSN2 HD** *(see figure 4)*

Figure 4 – Configure Transcode Options

- • **Descrambling - Disabled**
- • Click on **Video** tab next
    - o Configure **Basic Video Settings**
    - o Select the **Format** you would like to Transcode to
        - ▪ Leave as **HD**
    - o Select **Codec** you would like to Transcode to
        - ▪ Select MPEG2
    - o Select which **Resolution Mode** you would like to use
        - ▪ For HD services, select **Follow Input**
        - ▪ 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: 2301 (MPEG1-L2) (eng)**
    - Enable - Select **Transcode** for MPEG1-L2 audio *(see figure 6)*
    - Leave defaults values for the remainder of settings
  - Click on **Add ES: 2302 (Dolby Digital) (eng)** for Dolby Digital Audio
    - Select **Dolby Digital** in the **Encode** dropdown
    - Enable - Select **Passthrough** for Dolby Digital audio *(see figure 6)*
    - Leave defaults values for the remainder of settings

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 **ASI**
            - Select which **ASI port** you would like to use (Asi1)
            - Leave remaining fields as default values
    - Tick **Service ID** box
        - Enter **Service ID – 23** *(see figure 8)*

Figure 8 – Configure Output

Linear Transcode

Input   Descrambling   Video   Audio   Service   Output

Output TS Configuration

Type	ASI
Port	ASi1
ON ID	1
TS ID	1
Streaming	Active

Output Service Configuration

| Service ID | ☑ | 23 |
| Service Name | ☐ | Program 1 |

- 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.