Synamedia MEG setup – **HSN**

HSN2 HD MP4 to SD MP4 - TSoip Out

**Task-** Configuring Synamedia MEG IRDs

**Condition-** Transcoding HSN2 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 – ASI
		- Enter a **Channel Name (HSN2 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 - (23) for HSN2 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: 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*



* Click on **Output** next
	+ Select **Type**
		- Select **Xgress**
			* Select which **Xgress port** you would like to use (Port-1)
			* Host 225.1.1.5
			* UDP 49153
			* Leave remaining fields as default values
	+ Tick **Service ID** box
		- Enter **Service ID – 23** *(see figure 8)*

*Figure 8 – Configure Output*



* 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 checkmark *(see* **figure 10)**

*Figure 10 – Channel Created*



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