Synamedia MEG setup – **HSN**

HSN1 HD MP4 SDI Out

**Task-** Configuring Synamedia MEG IRDs

**Condition-** Video Decoding HSN1 HD from MP4 - SDI OUT

**Standard-** How to configure a Synamedia MEG IRD for Video Decoding

**Action Items:**

* Video Decoding HD 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*

A screenshot of a login screen

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

figure 2 – Add Channel



* + Choose which option you would like to do
    - Select **Video Decoding** for SDI setup *(see figure 3)*

figure 3 – Video Decoding

A screenshot of a computer

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

figure 4 – Configure Video Decoding

A screenshot of a video decoding

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* **Descrambling - Disabled**
* Click on **Video** tab next
  + Configure **Basic Video Settings**
  + Select the **Format** you would like to Decode to
    - Leave as **HD**
  + Select **Codec** you would like to Transcode to
    - Select H.264
  + 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*

*A screenshot of a computer

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* Click on **Audio** tab next
  + Click on **Add ES: 2101 (MPEG1-L2) (eng)**
    - Enable - Select **Decode to PCM** for MPEG1-L2 audio *(see figure 6)*
    - Leave defaults values for the remainder of settings
  + Click on**Add ES: 2101 (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*

A screenshot of a music system

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

*Figure 8 – Configure Output*

*A video decoding with a video camera

Description automatically generated with medium confidence*

* Click on **Create** in upper right corner (*see figure 9)*

*Figure 9 – Create and Finish*

A screenshot of a computer

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* *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

A close-up of a computer screen

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