

Synamedia MEG setup – HSN

HSN2 SD MP4 SDI Out

Task- Configuring Synamedia MEG IRDs

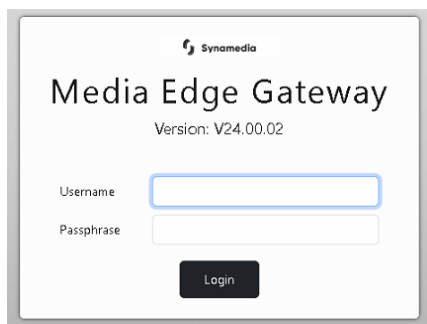
Condition- Video Decoding HSN2 HD MP4 - SDI OUT

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

Action Items:

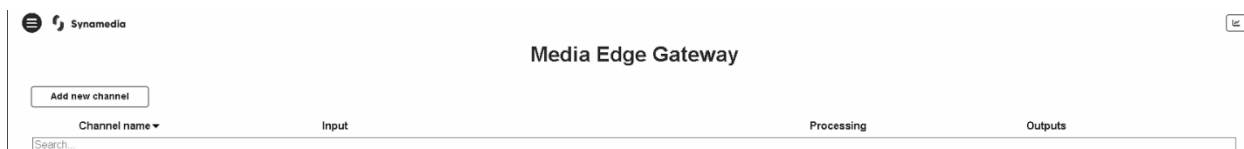
- Video Decoding SD MP4
 - Begin by **Browsing to IP** of MEG IRD (Default ip - 192.168.2.20)
 - **Enter UN & PW** (see figure 1) (UN: Admin; PW: Password)

figure 1 - Login

The image shows the login interface of the Synamedia Media Edge Gateway. At the top, the Synamedia logo is displayed. Below it, the text 'Media Edge Gateway' is prominently shown, followed by 'Version: V24.00.02'. There are two input fields: 'Username' and 'Passphrase'. The 'Username' field is currently selected with a blue border. Below these fields is a dark 'Login' button.

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

figure 2 – Add Channel

The image shows the main menu of the Synamedia Media Edge Gateway. At the top, the Synamedia logo is on the left, and 'Media Edge Gateway' is in the center. On the right, there is a small 'Log out' button. Below the header, there is a navigation bar with three main sections: 'Add new channel', 'Channel name', 'Input', 'Processing', and 'Outputs'. The 'Add new channel' button is highlighted. Below the navigation bar, there is a search bar with the text 'Search...'.

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

figure 3 – Video Decoding

What would you like to do?

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

- Video Decoding – SDI Out
 - Enter a **Channel Name** (HSN2 SD 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 - (23) for HSN2 HD** (see figure 4)

figure 4 – Configure Video Decoding

Synamedia

Video Decoding

Input Descrambling Video Audio Output

Channel Name: HSN2 SD SDI Out

☐ Create new input ☒ Use existing input

Input TS Configuration

Input Selection: DVB-S2: DVBS2 1 (4.08 GHz)

Input Service Configuration

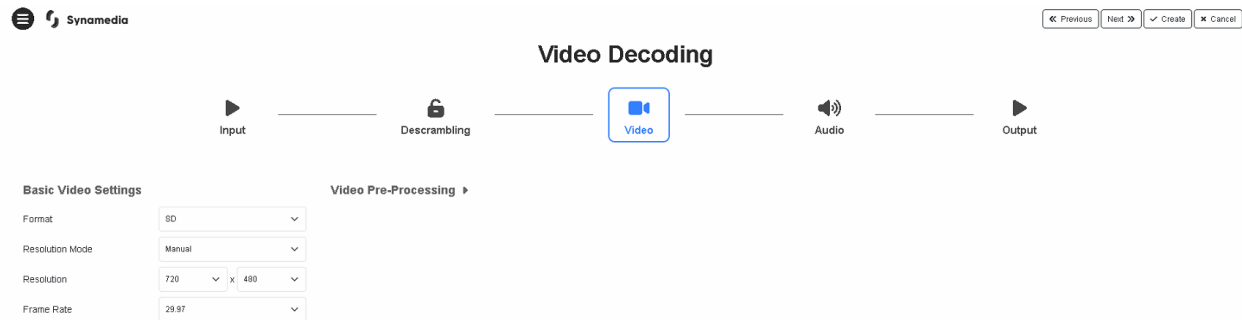
Service ID: BYP902 HSN2HD ENC-8036 E-03b(23)

User Name: ☐ HSN2 SD SDI Out

Advanced Settings ▶

- **Descrambling - Disabled**
- Click on **Video** tab next
 - Configure **Basic Video Settings**
 - Select the **Format** you would like to Decode to
 - Change to **SD**
 - Select which **Resolution Mode** you would like to use
 - For **SD** services, select **Manual**
 - 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 **Decode to PCM** 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
 - Enable - Select **Passthrough** for Dolby Digital audio (*see figure 6*)
 - Leave defaults values for the remainder of settings

Figure 6 – Configure Audio Settings

Basic Audio Settings

ES: 2301 (MPEG1-L2) (eng)

Enable	Decode to PCM
Decode	Auto
Output Channels	Stereo
Track Type	PID
PID	2301

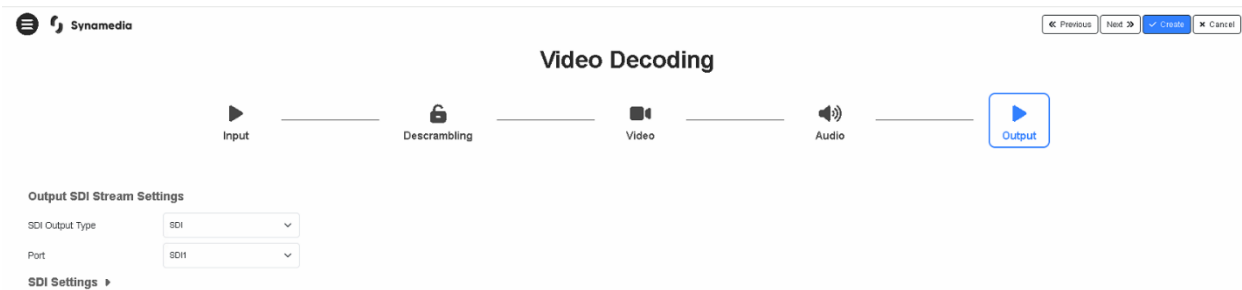
Basic Audio Settings

ES: 2302 (Dolby Digital) (eng)

Enable	Passthrough
Track Type	PID
PID	2302

- 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 (*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 check mark (see figure 10)

Figure 10 – Channel Created



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