WEST

AFFILIATE TECHNICAL BULLETIN

Satellite: Galaxy 30, transponder 21 at 125° W
Satellite Feed: HITS feed - QHD 8 East feed only

Compression/Encryption: PowerVu+ MPEG 4
   - Services on this platform: Lifetime HD West.
   - HD feeds are in 1080i format

Equipment Needs
   - Transcoding IRD: Model D9858 and Model D9859 will provide an ASI or MPEGoIP output (optional feature) for MPEG 4 and/or MPEG 2 distribution
   - Baseband IRD: Model D9854 will provide baseband HD and an MPEG 4 ASI output
   - An MPEGoIP output is available as an option on the Model D9854 for MPEG4 into an IPTV system. Contact your SA/Cisco distributor for exact part numbers.
   - Multiple Decrypting Receiver D9824 will provide a decrypted MPEG4 output via ASI.

Audio
   - AES 1 - is Program audio, stereo Left and Right;
   - AES 2 - is Program audio encoded in AC3 surround sound.

Receiver Setup Parameters:
   Downlink Frequency: 4.120 GHz
   Symbol Rate: 30.00 MSym/s
   FEC Auto
   L-Band Frequency: 1030 MHz
   Network ID: 1748
   Modulation DVB-S2
   Polarity: H
   RF Input #2
   Power (LNB Power) OFF or ON
   Output Mode: Full DPM Control
   Descramble Mode: Descrambled
   This will provide an ASI stream with the Lifetime-HD PIDs descrambled.

Channel: 11 for Lifetime West HD
Program PID information:

<table>
<thead>
<tr>
<th>Lifetime West MPEG 4</th>
<th>PID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video</td>
<td>1110</td>
</tr>
<tr>
<td>Audio 1</td>
<td>1101</td>
</tr>
<tr>
<td>Audio 2</td>
<td>1102</td>
</tr>
<tr>
<td>DPI</td>
<td>1130</td>
</tr>
</tbody>
</table>

Affiliate Avail Trigger

PID Remapping:
The D9858 transcoded output allows for re-mapping of PID values. Refer to the set up guide included with the unit for details.

Once the unit is set up, call the Lifetime scrambling hotline at (212)641-3474 for an authorization of the unit.

Signal and Margin Levels
Cisco/SA recommends a Signal Level between -30 and -60. The Margin Level should be 2.0 or greater. A Margin that is below this will require the user to take measures to improve the quality of the received signal, such as upgrading the LNB, reducing splitters, or re-pointing the receive antenna.

Affiliate Avail Schedule: Avails are two minutes per hour;
- At the half-hour between 10:00 and 30:00 after the hour;
- At the hour, between 40:00 and 00:00 (straight up)

Schedule Exception: Sundays, 07:00 to 08:00 am (PT on the West Feed) – One two-minute local avail will be scheduled between 07:55 and 08:00

Tech Support
E-mail techsupport@aenetworks.com
Scrambling Hotline: (866) 823-3712
Cisco/SA Customer Service support line (888) 949-4786

Register at our affiliate web site, www.aenetworksaaffiliate.com for immediate access to technical bulletins and important programming information.

Viewer Feedback
Direct viewer calls to the A+E Website: www.aenetworks.com