HDMI Over IP-PRO DSX
RS-232 controls - Samsung TV with EXLink

Revision: 1.2
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The Octava PRO DSX HDMI Over IP system enables routing of RS-232 control signals for enhanced system integration.

The ExLink port allows serial control of the Samsung TV. For example, turn on/off, changed channels and etc.

The ExLink cable has a 3.5mm jack (like a audio headphone cable) on one side and on the other side is an RS-232 interface.
RS-232 TYPE 2 Guest Mode
For example, if you wish to send RS-232 commands to TV 1, then you will only need to Telnet the RS-232 to the PRO DSX-RX connected to TV1.
1. Configure the PRO DSX-RX Serial IP to Type 2 GUEST Mode

Use browser to access the PRO DSX which you wish to send RS-232 commands to.

- Enable Serial Over IP
- Select Type 2
- Set the Baud rate settings per requirements.
2. Apply and Reboot

You will need to Reboot to save the TYPE 2 Guest Mode Settings
To send control command to the Samsung TV.

1. Telnet to the PRO DSX-RX attached to the Samsung TV you wish to control. You must enter the correct IP Address and use PORT 6752.

Example:
   IP address of PRO DSX-RX (For example, 172.31.3.1)
   PORT = 6752

2. Send the HEX command to the SAMSUNG TV that you wish.

<table>
<thead>
<tr>
<th>Command</th>
<th>HEX Command Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power ON</td>
<td>\x08\x22\x00\x00\x00\x02\xD4</td>
</tr>
<tr>
<td>Power OFF</td>
<td>\x08\x22\x00\x00\x00\x01\xD5</td>
</tr>
<tr>
<td>Volume UP</td>
<td>\x08\x22\x01\x00\x01\x00\xD4</td>
</tr>
<tr>
<td>Volume Down</td>
<td>\x08\x22\x01\x00\x02\x00\xD3</td>
</tr>
<tr>
<td>HDMI IN 1</td>
<td>\x08\x22\x0A\x00\x05\x00\xC7</td>
</tr>
<tr>
<td>HDMI IN 2</td>
<td>\x08\x22\x0A\x00\x05\x01\xC6</td>
</tr>
<tr>
<td>HDMI IN 3</td>
<td>\x08\x22\x0A\x00\x05\x02\xC5</td>
</tr>
<tr>
<td>HDMI IN 4</td>
<td>\x08\x22\x0A\x00\x05\x03\xC4</td>
</tr>
</tbody>
</table>
The Cabling used in the above example is shown below.

The ExLink cable has a 3.5mm jack (stereo) on one side and on the other side is an Phoenix Style (green) RS-232 interface.

You may use any 3.5 mm stereo cable and make your own interface cable as shown below.
Octava Inc.-7078 Peachtree Ind. Blvd
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