**Integra DBS-30.1 Blu-Ray Player**
**Module version: 1b**
**CUZ tested: PRO2 v4.001.1012**
**SimplWindows v2.11.27**
**Manufacturers Firmware: 1.00**

**Date of Release:** Monday November 16, 2009

**COM Specifications:** RS232, 9600bps, N-8-1, standard (crossover) cable.

**HDMI/HDCP**:  This device will support a maximum of 3 HDCP keys when utilized with Crestron DigitalMedia switching equipment.  You may have to set this limit manually as the automated HDCP test may not correctly report this data.

**Signal Definitions**

**From_Device$ & To_Device$** (serial): Connects to the corresponding COM port definition.
**Initialize_Device** (digital): Pulse to resend initialization commands.  These commands are also sent on a power-on sequence, however, if you notice that the player fails to provide data, this signal may need to be pulsed periodically.
**Poll_Enable** (digital): Should be held HIGH to provide correct feedback.
**System_Busy** (digital): This signal will go high during a power on or power off sequence.  May be used to provide a "please wait" popup, if desired.

**Power**
**POWER** (digital): Pulse to power the device on or off, depending on its current reported state.
**Power_On** (digital): Pulse to power the device on.
**Power_Off** (ditigal): Pulse to power the device off.
The corresponding **Power_On_FB** and **Power_Off_FB** signals will activate once a response has been returned from the device.  This may take a few seconds after the command has been sent.

**IR Emulation**
Pulse these digital signals to provide most functions available from the infrared remote control.
Any feedback that is provided from the device (restricted to play, pause, and stop by the device) has been placed into this section of commands.

**Configuration**
**Front_Panel_Dimmer_X** and **Front_Panel_Dimmer_X_FB** (digital): Pulse these inputs to change the front panel brightness level.  The corresponding feedback will go high once a response has been received from the unit.
**Language_X** (digital): Pulse these inputs to change the operating language of the device.
**HDMI_Audio_X** (digital): Pulse these inputs to change the HDMI audio settings of the device.
**HDMI_Resolution$** (serial): This will report back the current HDMI output resolution in plain text (English only).
**HDMI_Status$** (serial): This will report back the current HDMI status in plain text (English only).

**Analog Feedback**

All of the following objects are analog in nature and intended to be attached to analog objects on a touchpanel.  As the values may change in future versions of vendor firmware, the device may report a value not shown below.

**Transport_Mode**

0 = Standby (Off)

1 = Playback

2 = Pause

3 = Stop

**Media_Mode**

0 = No Disc

1 = DVD

4 = CD

7 = CD DATA (MP3/WMA/JPEG etc)

10 = BD-ROM

14 = SD Memory Card (MP3/WMA/JPEG/AVCHD etc)

**Front_Panel_Dimmer_Mode**

0 = Bright

2 = Dark

7 = Auto

**Aspect_Mode**

0 = 4:3 Letterbox

1 = 4:3 Normal

2 = 16:9 Widescreen

3 = 16:9 Squeeze

**HDMI_Resolution_Mode**

0 = No Video

2 = 720 x 480p

4 = 1280 x 720p

5 = 1920 x 1080i

6 = 1440 x 480i

16 = 1920 x 1080p 60Hz

17, 19, 20, 21, 31 = PAL formats

32 = 1920 x 1080p 24Hz

**HDMI_Status_Mode**

0 = Through

1 = Auto

2 = 480p

3 = 720p

4 = 1080i

5 = 1080p

6 = 480i
7 = HDMI OFF

**Language_Mode**
1 = English
2 = French
3 = Spanish

**Title_Current** = Current title
**Title_Total** = Total number of titles

**Chapter_Current** = Current chapter
**Chapter_Total** = Total number of chapters

**Time_Hours, Time_Minutes, Time_Seconds**: These values provide the discrete playback time (at current location) separated by hours, minutes, and seconds.

**Time_Touchpanel_Tmer_Objects**: Provides the total playback time (at current location) intended to be attached to a timer object on the touchpanel.