



SDP40HD WITH CRESTRON DM HDMI EDID SETTINGS & INPUT CARD SELECTION

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Overview

When using the Crestron DM series of video switchers and the HDMI input and output cards with an SDP40HD it is necessary to select the proper HDMI Audio EDID that the SDP40HD supports to ensure that the proper audio streams are sent from the source player to the SDP40HD; and to use the proper HDMI input cards for the source player if sharing the source with the distributed audio system.

Problem Description

- If the wrong EDID audio settings are selected then the SDP40HD will either be unable to play audio, or will receive down-mix Dolby Digital or DTS 2.0
- If the source player is expected to be used for both a home theater (up to 7.1) *and the distributed audio/video system* (stereo only) the source player may down-mix all content to Dolby 2.0 or DTS 2.0 if the DMC-HD input card is used.

Solution

- Using the Crestron Toolbox software application select the following formats for the EDID of the Crestron® DigitalMedia™ output assigned to the SDP40HD. **DISABLE ALL OTHER FORMATS.**
 - ✓ 44.1 2CH
 - ✓ 48K 2CH
 - ✓ 48K 5.1
 - ✓ 48K 7.1
 - ✓ 96K 2Ch
 - ✓ 96K 5.1
 - ✓ 96K 7.1
- If the source player is a multichannel source such as BluRay, DVD or Media Server and the source will be used in the distributed audio system where some zones are 2-channel stereo only you must allow for the simultaneous distribution of multi-channel surround sound and two-channel stereo signals from the same HDMI source. To do this you should use the **DMC-HD-DSP** input card for that and all similar sources. The source should then be set to internally decode and send 7.1 PCM audio over the HDMI connection. The DMC-HD-DSP will pass this audio stream to the SDP40HD and internally down-mix the signal for distribution to any DM output and the analog stereo outputs at the same time.