

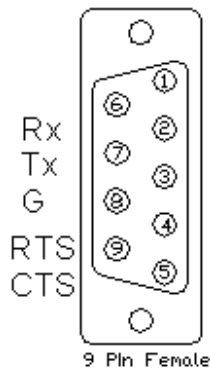
**Partner: D-BOX**  
**Model: Series IV**  
**Device Type: Audio Signal**



**GENERAL INFORMATION**

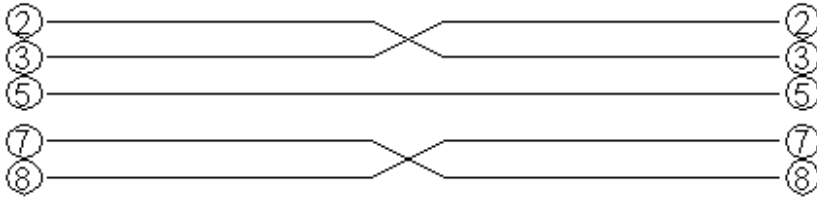
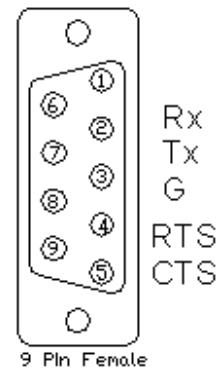
<b>SIMPLWINDOWS NAME:</b>	D-BOX Series IV v1.0
<b>CATEGORY:</b>	Miscellaneous
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module provides control and true feedback for the D-BOX Series IV motion controller.
<b>GENERAL NOTES:</b>	<p>This module provides control for the D-BOX Series IV motion controller. It also provides true feedback. It controls two KineLink boards. One internal and one optional external.</p> <p>This module is for 2-series processors only.</p> <p>This module is System Builder compatible.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	C2I-COM*, ST-COM, C2COM-2/3
<b>SETUP OF CRESTRON HARDWARE:</b>	<p>RS232</p> <p>Baud: 19200</p> <p>Parity: None</p> <p>Data Bits: 8</p> <p>Stop Bits: 1</p>
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CNSP-532

Rear View of Connector



**CNSP-532**

Rear View of Connector



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**CONTROL:**

Operation_Mode_<Audio/Program/Demo>	D	Pulse to select the desired operation mode.
Audio_Setup_<Soft/Action/Sport/Game>	D	Pulse to select the desired audio mode.
Master_Volume_<Up/Down>	D	Press and hold to control the master volume.
Master_Volume_Mute_<On/Off/Toggle>	D	Pulse to turn the master volume mute on and off.
Live_Update_<CD/Web>	D	Pulse to start a live update either from a CD or via the web.
<Enable/Disable>_Internal_KineLink_Port_<A/B/C/D>	D	Pulse to enable and disable the internal KineLink port.
Internal_KineLink_Port_<A/B/C/D>_Volume_<Up/Down>	D	Press and hold to adjust the volume for the desired internal KineLink port.
Internal_KineLink_Port_<A/B/C/D>_Spectral_Control_<Up/Down>	D	Press and hold to adjust the motion for the desired internal KineLink port.
Internal_KineLink_Output_Line_Volume_<Up/Down>	D	Press and hold to adjust the volume for the internal KineLink output.
Internal_KineLink_Output_Line_Spectral_Control_<Up/Down>	D	Press and hold to adjust the motion for the internal KineLink output.
<Enable/Disable>_External_KineLink_Port_<A/B/C/D>	D	Pulse to enable and disable the external KineLink port.
External_KineLink_Port_<A/B/C/D>_Volume_<Up/Down>	D	Press and hold to adjust the volume for the desired external KineLink port.
External_KineLink_Port_<A/B/C/D>_Spectral_Control_<Up/Down>	D	Press and hold to adjust the motion for the desired external KineLink port.
External_KineLink_Output_Line_Volume_<Up/Down>	D	Press and hold to adjust the volume for the external KineLink output.
External_KineLink_Output_Line_Spectral_Control_<Up/Down>	D	Press and hold to adjust the motion for the external KineLink output.
Poll_Enable	D	Hold high to enable polling.
From_Device	S	Serial signal to be routed from a 2-way serial com port.

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**FEEDBACK:**

<b>Operation_Mode_Is_&lt;Audio/Program/Demo&gt;</b>	D	High to indicate the currently selected operation mode.
<b>Audio_Setup_Is_&lt;Soft/Action/Sport/Game&gt;</b>	D	High to indicate the currently selected audio setup.
<b>Master_Volume_Gauge</b>	A	Analog value indicating the current master volume level.
<b>Master_Volume_Mute_Is_&lt;On/Off&gt;</b>	D	High to indicate the current master volume mute state.
<b>Internal_KineLink_Port_&lt;A/B/C/D&gt;_Volume_Gauge</b>	A	Analog value indicating the current volume level for each internal KineLink port.
<b>Internal_KineLink_Port_&lt;A/B/C/D&gt;_Spectral_Control_Gauge</b>	A	Analog value indicating the current motion level for each internal KineLink port.
<b>Internal_KineLink_Output_Line_Volume_Gauge</b>	A	Analog value indicating the current volume level for each internal KineLink output.
<b>Internal_KineLink_Output_Line_Spectral_Control_Gauge</b>	A	Analog value indicating the current motion level for each internal KineLink output.
<b>Internal_KineLink_DSP_&lt;No_Signal_Detected/Signal_Locked&gt;</b>	D	High to indicate whether an audio signal has been detected at the internal KineLink board.
<b>Internal_KineLink_DSP_&lt;No_Format_Detected/Format_Detected&gt;</b>	D	High to indicate whether an audio format has been detected at the internal KineLink board.
<b>Internal_KineLink_DSP_&lt;No_Sync_To_Movie/Synced_To_Movie&gt;</b>	D	High to indicate whether the audio signal has synced to a movie in the D-BOX list at the internal KineLink board.
<b>Internal_KineLink_DSP_Signal_Type_Text</b>	S	Serial signal indicating the audio signal type at the internal KineLink board.
<b>Internal_KineLink_DSP_Incoming_Signal_Level_Gauge</b>	A	Analog signal indicating the incoming signal level at the internal KineLink board.
<b>Internal_KineLink_Film_Text</b>	S	Serial signal indicating the name of the film.
<b>External_KineLink_Port_&lt;A/B/C/D&gt;_Volume_Gauge</b>	A	Analog value indicating the current volume level for each external KineLink port.
<b>External_KineLink_Port_&lt;A/B/C/D&gt;_Spectral_Control_Gauge</b>	A	Analog value indicating the current motion level for each external KineLink port.
<b>External_KineLink_Output_Line_Volume_Gauge</b>	A	Analog value indicating the current volume level for each external KineLink output.

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External_KineLink_Output_Line_Spectral_Control_Gauge	A	Analog value indicating the current motion level for each external KineLink output.
External_KineLink_DSP_<No_Signal_Detected/Signal_Locked>	D	High to indicate whether an audio signal has been detected at the external KineLink board.
External_KineLink_DSP_<No_Format_Detected/Format_Detected>	D	High to indicate whether an audio format has been detected at the external KineLink board.
External_KineLink_DSP_<No_Sync_To_Movie/Synced_To_Movie>	D	High to indicate whether the audio signal has synced to a movie in the D-BOX list at the external KineLink board.
External_KineLink_DSP_Signal_Type_Text	S	Serial signal indicating the audio signal type at the external KineLink board.
External_KineLink_DSP_Incoming_Signal_Level_Gauge	A	Analog signal indicating the incoming signal level at the external KineLink board.
External_KineLink_Film_Text	S	Serial signal indicating the name of the film.
To_Device	S	Serial signal to be routed to a 2-way serial com port.

## TESTING:

OPS USED FOR TESTING:	4.001.1012
SIMPL WINDOWS USED FOR TESTING:	2.11.10
CRESTRON DB USED FOR TESTING:	20.04.008.00
DEVICE DB USED FOR TESTING:	20.07.005.00
SAMPLE PROGRAM:	D-BOX Series IV v1.0 Demo PRO2
REVISION HISTORY:	V. 1.0 – Original release.