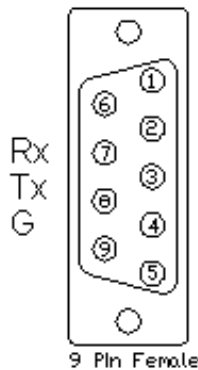


Partner: Sony
Model: BDP-CX7000ES
Device Type: Transport Deck


GENERAL INFORMATION

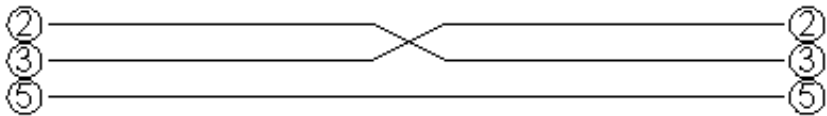
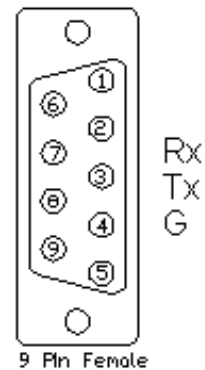
SIMPLWINDOWS NAME:	Sony BDP-CX7000ES v1.2
CATEGORY:	Transport Decks
VERSION:	1.2
SUMMARY:	This module will control the Sony BDP-CX7000ES 400 disc Blu-Ray changer via RS-232.
GENERAL NOTES:	<p>This module controls the Sony BDP-CX7000ES 400 disc Blu-Ray changer. It provides true feedback. In order to get automatic updates from the BDP-CX7000ES, you should turn the Broadcast Mode on. When the Power_On input is pulsed, the Broadcast_On command will be sent unless you hold the Disable_Autobroadcast input high. Most functions are the same as pressing button on the IR remote.</p> <p>This module is System Builder compatible.</p>
CRESTRON HARDWARE REQUIRED:	CNX-COM2, ST-COM, 2-Series Processor, C2COM3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	Software v20090911 or later must be installed.
VENDOR SETUP:	RS-232 Control needs to be enabled. This can be found in the System Settings menu.
CABLE DIAGRAM:	CSPN-124

Rear View of Connector



CNSP-124

Rear View of Connector



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CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn unit power on or off.
Play	D	Pulse to put unit into play mode.
Stop	D	Pulse to stop.
Pause	D	Pulse to select pause mode.
Scan_<Rev/Fwd>	D	Pulse to scan in reverse or forward.
Track/Chapter_<-/+>	D	Pulse to select chapter back or forward.
Instant_Replay	D	Pulse to replay the last 10 seconds.
Instant_Search	D	Pulse to skip forward 15 seconds.
Disc_Number_Select	A	Use to directly select a disc for playback. Input value can be driven from an analog INIT symbol.
Disc_Key_<1-9>	D	Pulse to enter a disc number for playback.
Disc_Key_Clear	D	Pulse to clear the disc number for playback.
Disc_Key_Enter	D	Pulse to request the entered disc number for playback.
Menu	D	Pulse to select the main menu.
Cursor_<Up/Down/Left/Right>	D	Pulse to navigate through the on-screen menus.
Enter	D	Pulse to select the highlighted item in the on-screen menu.
Clear	D	Pulse to trigger menu clear function.
Return	D	Pulse to go back one menu item.
Time/Text	D	Pulse to display either the time or text on front display.
Audio	D	Pulse to scroll through the available language tracks.
Subtitle	D	Pulse to scroll through the available subtitle languages.
Angle	D	Pulse to scroll through the available viewing angles.
Top	D	Pulse to display or close the top menu.

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Shuffle	D	Pulse to turn shuffle mode on or off.
Display	D	Pulse to scroll through the available front panel display modes.
Set	D	Pulse to select set function.
Dimmer	D	Pulse to adjust the front panel display brightness.
Load	D	Pulse to load media.
Home	D	Pulse to enter home menu.
Option	D	Pulse to display option menu.
Sort	D	Pulse to sort titles.
Group	D	Pulse to group titles.
<Red/Green/Blue/Yellow>	D	Pulse to trigger red, green, blue or yellow functions.
Key_*	D	Pulse to enter chapter number for playback.
Setup_Lock_<On/Off/Toggle>	D	Pulse to turn setup lock mode on or off.
Broadcast_Mode_<On/Off/Toggle>	D	Pulse to turn broadcast mode on or off.
Repeat_<Off/1/All>	D	Pulse to set the repeat mode to off, 1 or off.
Disc_<+/->	D	Pulse to select the next disc forward or back.
Disc_One/All	D	Pulse to set player to play one or all discs.
Poll	D	Pulse to poll the unit for its current status.
Disable_Auto_Broadcast	D	Latch high to disable auto broadcast mode.
From_Device	S	Serial signal to be routed from an RS-232C port

FEEDBACK:

Power_Is_<On/Off>	D	Indicates the current power status.
Playing	D	Indicates that the unit is playing.
Stopped	D	Indicates that the unit is stopped.

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Paused	D	Indicates that the unit is paused.
Current_Chapter_Number_Text	S	Provides the value of the current chapter playing.
Current_Disc_Number_Text	S	Provides the value of the current disc playing.
Disc_Type_Text	S	Displays the current disc type in a text field.
Disc_Type_Is_*	D	This group of signals also indicates the current disc type via individual digital signals.
Setup_Lock_Is_<On/Off>	D	Indicates the current setup lock state.
Broadcast_Mode_Is_<On/Off>	D	Indicates whether broadcast mode is on or off.
Disc_Mode_Is_<All/One>	D	Indicates whether the disc mode is all one or all.
Title_Number_Text	S	Provides the value of the current title number.
First_Track/Chapter_Number_Text	S	Provides the value of the first track or chapter number.
Last_Track/Chapter_Number_Text	S	Provides the value of the last track or chapter number.
Disc_Text	S	Displays the name of the current disc being played.
To_Device	S	Serial signal to be routed to an RS-232C port.

TESTING:

OPS USED FOR TESTING:	v4.001.1012
SIMPL WINDOWS USED FOR TESTING:	v2.11.27.00
DEVICE DB USED FOR TESTING:	v26.00.005.00
CRES DB USED FOR TESTING:	v21.02.016.00
SYMBOL LIBRARY USED FOR TESTING:	v648
SAMPLE PROGRAM:	Sony BDP-CX70000ES v1.2 Demo PRO2
REVISION HISTORY:	v1.0 – Initial release v1.1 – Analog feedback signals changed to serial. v1.2 – Added Red, Green, Blue and Yellow functions.