

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



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sony BDP-CX7000ES IP v1.2
CATEGORY:	Transport Decks
VERSION:	1.2
SUMMARY:	This module will control the Sony BDP-CX7000ES 400 disc Blu-Ray changer via IP.
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. Note: In SystemBuilder, this module will be located under "User Logic Modules" while in the "Programming" view, NOT while in the "Equipment" view.</p>
CRESTRON HARDWARE REQUIRED:	C2NENET-1, C2NENET-2
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	Software v20090911 or later must be installed.
VENDOR SETUP:	Network Control needs to be enabled on the Sony unit. This can be found in the "System Settings" menu under "Custom Installation Control". Unit also needs to be on the network with a valid IP address.
CABLE DIAGRAM:	N/A

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.

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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.
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.

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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.
Verify_Control_Config	D	Pulse to verify IP control is present.

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.
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.

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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.
Control_Config_Valid	D	Latches high to indicate that IP control is present.

PARAMETERS:

Sony IP Address	S	IP Address of the Sony unit being controlled.
Server Port	A	Indicates server port that the Sony unit will use to relay unsolicited information back to Crestron processor. Default is 6360d.
Client Port	A	Indicates client port that the Crestron unit will use to send commands to the Sony unit. The Sony's default is set at 8888d.

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-CX7000ES IP v1.2 Demo PRO2
REVISION HISTORY:	v1.0 – Initial release v1.1 – Analog feedback signals changed to serial. Utilizing direct socket access for IP control. v1.2 – Added Red, Green, Blue and Yellow functions.