

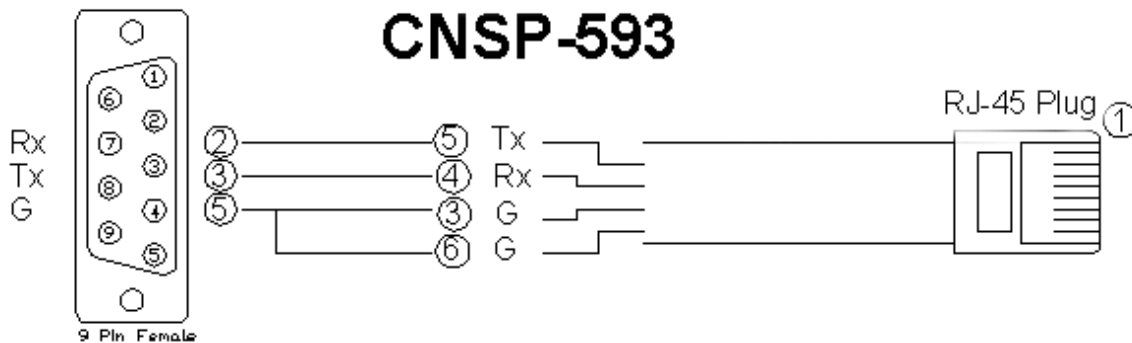
Partner: B & K
Model: Reference 50
Device Type: Receiver/Processor



GENERAL INFORMATION

SIMPLWINDOWS NAME:	B&K Reference 50
CATEGORY:	Receiver/Processor
VERSION:	1.0
SUMMARY:	This module controls the Reference 50 with true feedback.
GENERAL NOTES:	<p>This module provides most of the available functionality. The inputs are selected by audio or video, and by zone. The Reference 50 can be configured to switch both video and audio when selecting an audio input. There are some special circumstances for the selection of inputs and audio modes. Refer to the B&K Reference 50 manual for the operational guidelines of the unit.</p> <p>Presets are not limited to the use of the tuner. Presets consist of an input, a volume level, an audio mode and possibly a surround setting and/ or tuner settings.</p>
CRESTRON HARDWARE REQUIRED:	ST-COM, CNX-COM6, CNXCOM-2, C2-COM6, C2-COM-2, C2-COM-3
SETUP OF CRESTRON HARDWARE:	RS232 Baud Rate: 9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	Version 1.00 BKC-DIP V1.02.01
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-593

Rear View of Connector



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CONTROL:

Power_*_Zone_1	D	Pulse to turn Zone 1 on or off.
Power_*_Zone_2	D	Pulse to turn Zone 2 on or off.
Audio_Input_*_Zone_1	D	Pulse to select an audio input for Zone 1.
Video_Input_*_Zone_1	D	Pulse to select a video input for Zone 1.
Audio_Input_*_Zone_2	D	Pulse to select an audio input for Zone 2.
Video_Input_*_Zone_2	D	Pulse to select a video input for Zone 2.
AM_*	D	Pulse to select an audio mode for Zone 1.
Surround_*	D	Pulse to select a surround mode for Zone 1.
Volume_Up/Down_Zone_1	D	Press and hold to adjust the volume for Zone 1.
Volume_Mute_*_Zone_1	D	Pulse to mute and unmute the volume in Zone 1.
Volume_Up/Down_Zone_2	D	Press and hold to adjust the volume for Zone 2.
Volume_Mute_*_Zone_2	D	Pulse to mute and unmute the volume in Zone 2.
Tune_Up/Down	D	Pulse or Press and hold to adjust the frequency of the tuner.
Tune_AM/FM	D	Pulse to select a tuner band.
Preset_*_Zone_1	D	Pulse to select the desired preset for Zone 1.
Preset_*_Zone_2	D	Pulse to select the desired preset for Zone 2.
From_Device\$	S	Serial signal to be routed from a 2 way serial com port.

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FEEDBACK:

Power_*_Zone_1_Fb	D	High or Low to indicate Zone 1's current power state.
Power_*_Zone_2_Fb	D	High or Low to indicate Zone 2's current power state.
Audio_Input_*_Zone_1_Fb	D	High to indicate the current audio input selected in Zone 1.
Video_Input_*_Zone_1_Fb	D	High to indicate the current video input selected in Zone 1.
Audio_Input_*_Zone_2_Fb	D	High to indicate the current audio input selected in Zone 2.
Video_Input_*_Zone_2_Fb	D	High to indicate the current video input selected in Zone 2.
AM_*_Fb	D	High to indicate the current audio mode selected in Zone 1.
Surround_*_Fb	D	High to indicate the current surround mode selected in Zone 1.
Volume_Zone_1_Bar	A	Analog feedback to indicate the volume level for Zone 1. This would normally be routed to a bar graph.
Volume_Mute_*_Zone_1_Fb	D	High or Low to indicate the volume's current mute state in Zone 1.
Volume_Zone_2_Bar	A	Analog feedback to indicate the volume level for Zone 2. This would normally be routed to a bar graph.
Volume_Mute_*_Zone_2_Fb	D	High or Low to indicate the volume's current mute state in Zone 2.
AM_Station_Fb	A	Analog feedback to indicate the current AM frequency. This would normally be routed to a digital gauge.
FM_Station_Fb	A	Analog feedback to indicate the current FM frequency. This would normally be routed to a digital gauge.
Tune_*_Fb	D	High to indicate the current tuner band selected.
Speaker_Mode_*_Fb	D	High to indicate the current speaker configuration selected.
Input_*_Name\$	S	Serial signals that can be routed to touchpanel buttons to use the naming capabilities of the Reference 50. This is the text that is entered into the B&K using the set up menus.
To_Device\$	S	Serial signal to be routed to a 2 way serial com port.

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**TESTING:**

OPS USED FOR TESTING:	PRO2: 3.088; CNMSX: 5.14.02x
COMPILER USED FOR TESTING:	2.05.20
SAMPLE PROGRAM:	B&K Reference 50 PRO2 Demo; B&K Reference 50 CNMSX Demo
REVISION HISTORY:	V. 1.0 – First release.