



Manufacturer: BSS Audio
Model: BLU Series
Device Type: Audio DSP

GENERAL INFORMATION

Table with 2 columns: Field Name and Value. Fields include SIMPLWINDOWS NAME, CATEGORY, VERSION, and SUMMARY.



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GENERAL NOTES:									
CRESTRON HARDWARE REQUIRED:	3-Series Controller								
SETUP OF CRESTRON HARDWARE:	Baud Rate 115200, N, 8, 1								
VENDOR FIRMWARE:	This module was tested using BSS BLU Firmware Version: 86.02.02								
VENDOR SETUP:	The SIMPL Demo program provided works with the also include BSS DSP Programming File: "BSS Crestron Demo.audioarchitect"								
CABLE DIAGRAM:	Three conductor null modem cable is required.								
	<table border="1"> <thead> <tr> <th>Crestron (Connector Varies)</th> <th>BSS (DB9F)</th> </tr> </thead> <tbody> <tr> <td>TX</td> <td>Pin 2 (RX)</td> </tr> <tr> <td>RX</td> <td>Pin 3 (TX)</td> </tr> <tr> <td>GND</td> <td>Pin 5 (Gnd)</td> </tr> </tbody> </table>	Crestron (Connector Varies)	BSS (DB9F)	TX	Pin 2 (RX)	RX	Pin 3 (TX)	GND	Pin 5 (Gnd)
	Crestron (Connector Varies)	BSS (DB9F)							
	TX	Pin 2 (RX)							
RX	Pin 3 (TX)								
GND	Pin 5 (Gnd)								

CONTROL:		
<i>Signal/Function Name</i>	<i>D,S,A</i>	<i>Digital, Serial, Analog signal property definition.</i>
Initialize	D	Pulsing the signal will start the initialization process once the module is communicating with the BSS. You can alternatively assert the signal to high prior to communicating, once communication has been successful, will automatically start the initialization process.
Debug	D	Asserting this signal high will allow debugging trace statements to be sent to debugger for troubleshooting help.
From_Device	S	Signal from the RX\$ Feedback signal from the Crestron Serial Port Symbol.



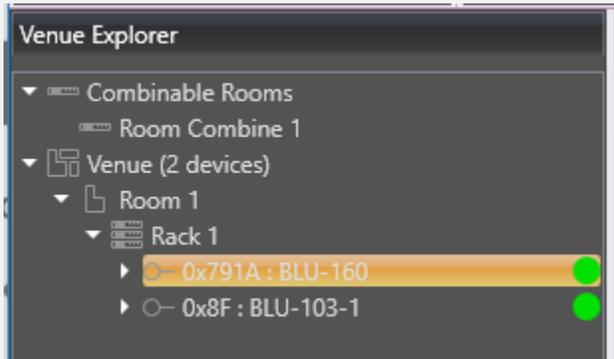
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FEEDBACK:

<u>Signal/Function Name</u>	<u>D.S.A</u>	<u>Digital, Serial, Analog signal property definition.</u>
Is_Communicating	D	This signal indicates if the successfully receiving properly formatted messages from the BSS.
Is_Initialized	D	This signal indicates that the control module is ready to be controlled, and that all the registered control modules have successfully received their state and their feedback is accurate.
To_Device	D	Signal to the TX\$ control signal of the Crestron serial port symbol.

PARAMETERS:

CommandProcessorID	A	Instance ID for the module. Up to 10 instances of this module can be used in a single program slot. The module has a parameter that allows you to choose one of the 10 instance IDs. Each instance ID can only be used once. Each command processor module will be dedicated to a single BSS Audio Node.
NodeAddress	A	This parameter is a hexadecimal value that needs to match the BSS Node to which this module is communicating with. You can find this ID by looking in the BSS Audio Architect software with the DSP program file open. In the venue explorer will be list of nodes. <i>In the example below "791ah" or "8fh" would be valid node addresses.</i>





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TESTING: (please fill out carefully)

OPS USED FOR TESTING:	CP3 1.501.0025
SIMPL WINDOWS USED FOR TESTING:	4.05.03
DEVICE DB USED FOR TESTING:	79.05.002.00
CRES DB USED FOR TESTING:	59.00.002.00
SYMBOL LIBRARY USED FOR TESTING:	1012
SAMPLE PROGRAM:	BSS BLU v1.0 RS232 Demo.smw and BSS BLU v1.0 Demo XPANEL.vtp
REVISION HISTORY:	v1.0 – Initial Release