Partner: BiAmp
Model: AudiaFlex & Nexia
Device Type: DSP

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Biamp AudiaFlex + Nexia Command Processor v5.1
CATEGORY:	Mixer
VERSION:	V5.1
SUMMARY:	This module controls all communication with the BiAmp AudiaFlex or Nexia.
GENERAL NOTES:	This module controls all communication with the BiAmp AudiaFlex or Nexia. This must be used in conjunction with the BiAmp AudiaFlex + Nexia Unit Buffer v5.1 module. There are 25 serial outputs on this module. One for each of 25 units. All responses from the BiAmp are processed by this module and sent to the appropriate serial output for that unit. One BiAmp AudiaFlex + Nexia Unit Buffer v5.1 MUST be used for each serial output. When polling the BiAmp for current status, you should poll for only the information you really need at the time. The more data points you poll for at one time, the longer it will take to get an update for any one data point. It should not normally be necessary to poll for all data points all the time. This information is all contained in the Block properties field when developing the .dap file within the Biamp AudiaFlex Windows software. A .dap file (Crestron Test v5.dap) was created by Crestron for testing purposes and MUST be used for proper operation of the Pro2 DEMO v5.1 program. NOTE: THIS MODULE WAS DEVELOPED AND TESTED WITH THE BIAMP AUDIAFLEX. THE INCLUDED .DAP FILE WAS PROVIDED BY BIAMP, AND IS FOR THE AUDIAFLEX ONLY. ACCORDING TO BIAMP, THESE MODULES WILL WORK FOR THE NEXIA. A CONFIGURATION FILE WILL NEED TO BE CREATED FOR THE NEXIA (NOT PROVIDED), AND WILL BE REQUIRED FOR OPERATION OF THE UNIT. FOR MORE INFORMATION ABOUT CONFIGURATION FILES AND HOW TO CREATE THEM PLEASE CONTACT BIAMP. All responses from the BiAmp must be routed through the BiAmp AudiaFlex + Nexia Unit Buffer v5.1 module. This module will send the response string to only modules that are controlling the particular instance in the BiAmp. If there are more than 20 modules controlling a single instance object in the BiAmp, you must add buffering outside this module to send the response to no more than 20 modules at a time. Please see the demo program for an example of this.
CRESTRON HARDWARE REQUIRED:	ST-COM, C2-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 38400 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	4.380

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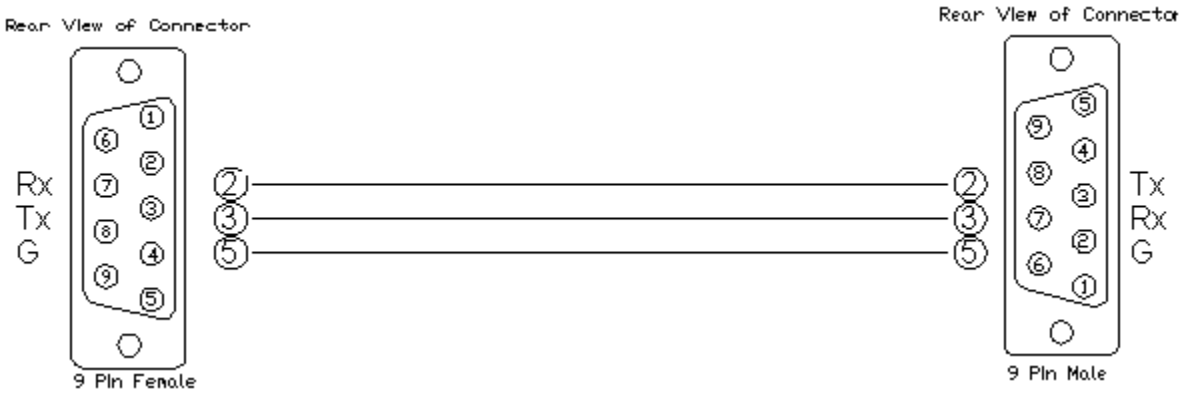

CONTROL:

From_Modules$	S	Serial signal to be routed from all BiAmp control modules in the program.
From_Device$	S	Serial signal to be routed from a 2-way com port.

FEEDBACK:

To_Device$	S	Serial signal to be routed to a 2-way com port.
To_Unit_*$	S	Serial signal to be routed to a BiAmp AudiaFlex + Nexia Unit Buffer v5.1 module.

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TESTING:

OPS USED FOR TESTING:	3.155.1240
SIMPL WINDOWS USED FOR TESTING:	2.08.44
CRES DB USED FOR TESTING:	18.09.02.001
SYMBOL LIBRARY USED FOR TESTING:	531
SAMPLE PROGRAM:	BiAmp AudiaFlex + Nexia Demo Pro2 v5.1
REVISION HISTORY:	V3 – 2-Series Only, corrected dialer timing, text display, speed of dialing and over all operation (firmware) V4 – Changed timing of dialer strings sent when off hook V5 – Made changes for the new responses from the BiAmp. These new responses have the command details and status in them. This eliminates the need to poll for status when making changes. Added new commands. Added buffering for the responses to improve system response. V5.1-Changed the Command Processor module to handle the response for presets. Also eliminated the Command Processor sending any response if the unit ID is determined to be 0. Changed all of the modules to allow instance IDs up to 65534d. Changed all modules to look for the proper channel ID. Added MBMUTE command to the On-Off module.

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