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

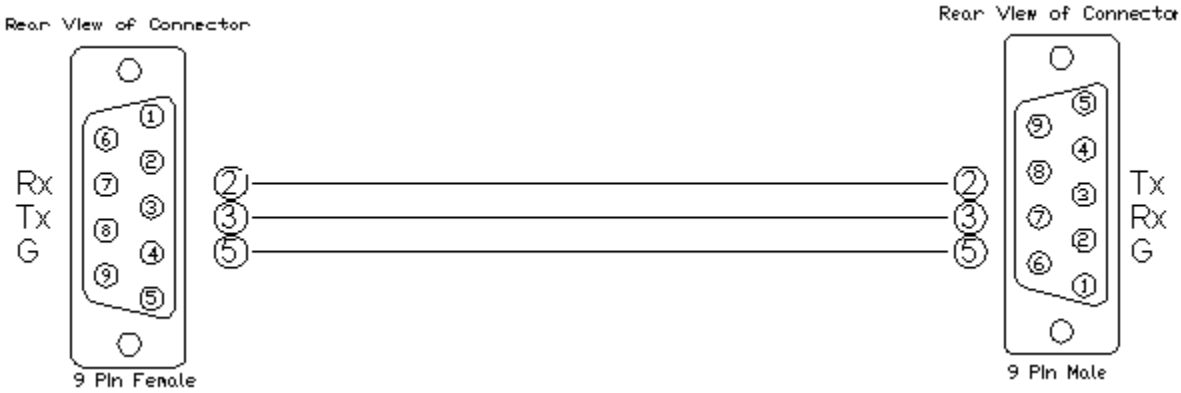
GENERAL INFORMATION

SIMPLWINDOWS NAME:	Biamp AudiaFlex + Nexia Command Processor v5
CATEGORY:	Mixer
VERSION:	V5
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 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 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 program. All responses from the BiAmp must be routed through the BiAmp AudiaFlex + Nexia Unit Buffer v5 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 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

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. *Specifications subject to change without notice.*

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



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 module.

TESTING:

OPS USED FOR TESTING:	3.155.1143
SIMPL WINDOWS USED FOR TESTING:	2.08.26
CRES DB USED FOR TESTING:	18.5.0
SYMBOL LIBRARY USED FOR TESTING:	444
SAMPLE PROGRAM:	BiAmp AudiaFlex + Nexia Demo Pro2 v5
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.

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400