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

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Biamp AudiaFlex + Nexia Preset Control v7.0
CATEGORY:	Mixer
VERSION:	7.0
SUMMARY:	This module recalls presets in the BiAmp AudiaFlex and Nexia.
GENERAL NOTES:	This module will recall presets in the BiAmp AudiaFlex and Nexia. This module MUST be used in conjunction with the Biamp AudiaFlex + Nexia Command Processor v7.0.umc module. This module processes all transmitted and received serial strings and reformats device feedback so that this data can be sent to the proper module for final processing. 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 module has (10) eleven parameter fields. All parameters are entered as ASCII characters. PRESET ID is the preset id number from the .dap file. This information is all contained in the Block properties field when developing the .dap file within the Biamp Audia Flex Windows software. A .dap file (Crestron Test v7.0.dap) was created by Crestron for testing purposes and MUST be used for proper operation of the v7.0 Demo Pro2 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. When the Initialize input on the BiAmp AudiaFlex + Nexia Command Processor v7.0 is pulsed, the BiAmp AudiaFlex + Nexia Command Processor v7.0 module will send out initialization strings to each of the To_Module_* outputs, asking for the connected module's command type, instance ID or Tag and indexes. The control module will transmit that information out its Instance_ID_to_Processor output. The Instance_ID_to_Processor output of a control module must be connected to one of the Module_*_Instance_ID inputs. The corresponding To_Module_* output must be connected to the From_Processor input of the same control module.
CRESTRON HARDWARE REQUIRED:	ST-COM, C2-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 38400 Parity: N Data Bits: 8 Stop Bits: 1

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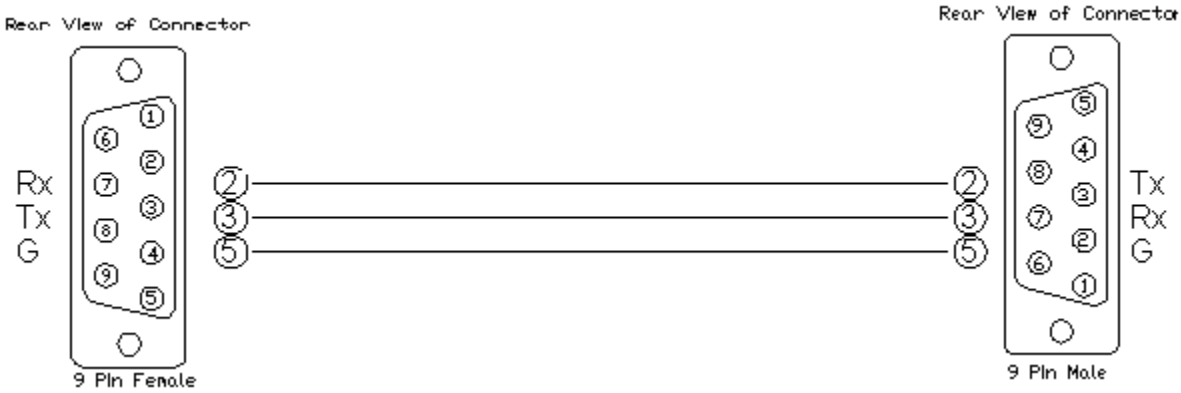
VENDOR FIRMWARE:	4.560



CONTROL:

Preset_*	D	Pulse to select the desired preset.

FEEDBACK:

To_Processor	S	Serial data signal to be routed to the From_Modules input on the Biamp AudiaFlex + Nexia Command Processor v7.0.

PARAMETERS:

PRESET ID *	ASCII	Preset ID number from the .dap file.

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TESTING:

OPS USED FOR TESTING:	3.155.1240
SIMPL WINDOWS USED FOR TESTING:	2.10.32
DEVICE DB USED FOR TESTING:	20.02.009.00
CRESTRON DB USED FOR TESTING:	20.00.05.00
SAMPLE PROGRAM:	BiAmp AudiaFlex + Nexia v7.0 Demo Pro2
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. V7.0 – Changed all modules to allow the use on Instance ID Tags. Changed the volume control module to allow for the selection of the size of the volume change step. Changed the command processor module to handle all filtering of the feedback. Eliminated the unit buffer module. Also eliminated the need for using serial buffers.

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