

**SIMPLWINDOWS NAME:** Biamp PMX84 Logic Output module

**CATEGORY:** Matrix Switcher

**VERSION:** 1.0

**SUMMARY:** Provides control of logic outputs on PMX84

**GENERAL NOTES:** This module will provide control and presets for the logic outputs of the PMX84. Outputs can be controlled with direct on and off selections. Presets are stored in the Crestron system. All inputs are momentary - If inputs are maintained (latched) the module will not function properly. Multiple on/off inputs cannot be jammed at the same time. After any on, off or preset selection, the module will automatically poll the unit for a status update.

The module functions as follows:

1. Choose a preset - the currently stored configuration will be loaded.
2. Adjust the outputs to the desired setting.
3. Press the store input.

Or simply adjust the outputs as desired using the on and off functions.

The device number must match the switcher being controlled. See below for further information.

**CRESTRON HARDWARE REQUIRED:** ST-COM, CNXCOM, CEN-COM

**SETUP OF CRESTRON HARDWARE:** Baud Rate - 2400, 9600 (2400 is device default)  
Parity - None  
Data Bits - 8  
Stop Bits - 1

**VENDOR FIRMWARE:** None

**VENDOR SETUP:** The device number must be set using the BiampWin software.

**CABLE NUMBER:** CNSP-121

## CONTROL:

<b>OUTPUT1-16_ON</b>	D	Turns corresponding logic output on
<b>OUTPUT1-16_OFF</b>	D	Turns corresponding logic output off
<b>POLL_FOR_STATUS</b>	D	Polls unit for real feedback of current status
<b>PRESET1-10</b>	D	Selects a preset to be recalled
<b>STORE_PRESET</b>	D	Stores currently selected preset with current status values
<b>PMX84-RX\$</b>	S	Serial data string from PMX84 - routed from RX\$ of RS-232 port

## FEEDBACK:

<b>OUT1-16_ON_FB</b>	D	Real feedback status of logic outputs
<b>TO_PMX84\$</b>	S	Serial data string to be routed to the PMX84 - to be routed to TX\$ of RS232 port

## PARAMETERS:

<b>DEV_NUM_HIGH</b>	P	High digit of device number of the unit (see below)
<b>DEV_NUM_LOW</b>	P	Low digit of device number of the unit (see below)

The Biamp PMX84 uses a device number which is setup through the BiampWin software. The range of values is from 0-8. The dev\_num\_high and dev\_num\_low values are represented in the following chart:

Device Number 1 -	DEV_NUM_HIGH=30 DEV_NUM_LOW=31
Device Number 2 -	DEV_NUM_HIGH=30 DEV_NUM_LOW=32
Device Number 3 -	DEV_NUM_HIGH=30 DEV_NUM_LOW=34
Device Number 4 -	DEV_NUM_HIGH=30 DEV_NUM_LOW=38
Device Number 5 -	DEV_NUM_HIGH=31 DEV_NUM_LOW=30
Device Number 6 -	DEV_NUM_HIGH=32 DEV_NUM_LOW=30
Device Number 7 -	DEV_NUM_HIGH=34 DEV_NUM_LOW=30
Device Number 8 -	DEV_NUM_HIGH=38 DEV_NUM_LOW=30

Please see the sample/test program for an example of this implementation.

<b>OPS USED FOR TESTING:</b>	5.10.11x
<b>COMPILER USED FOR TESTING:</b>	SimplWindows Version 1.40.07
<b>SAMPLE PROGRAM:</b>	PMX84TEST REVA.SMW
<b>REVISION HISTORY:</b>	None