

SIMPLWINDOWS NAME: Ashly Protea 4.24G.smw

CATEGORY: MIXER

VERSION: 1.0

SUMMARY: Full control with presets

GENERAL NOTES: This module will control most functions of the Protea. This includes up to sixteen (16) midi channels when properly networked and ID'd per the manufacturer's instructions. The first four (4) channels are associated with the master unit. Up to four (4) Protea's can be chained together to assemble a 16 channel processor. To begin Crestron control, first select one of the 16 available midi channels. Selecting this channel(midi) polls the Protea for current settings on that channel. To adjust a specific EQ frequency (Controller), select the appropriate frequency band and adjust up or down with the MAIN Up/Down buttons. Recalling presets is done by momentarily pressing one of the ten presets. Storing is accomplished by first selecting the preset, make all necessary controller (EQ, Processing, Ratio, etc) changes then press and hold the desired preset for 4 seconds.

CRESTRON HARDWARE REQUIRED: C2COM-3
CNCOMH-2
ST-COM
CNXCOM

SETUP OF CRESTRON HARDWARE: Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: Version 2.1

VENDOR SETUP: Data Config Button on rear panel in "out" position.

CABLE NUMBER: CNSP-121

CONTROL:

MAIN_UP	D	Master Ramp Control up
MAIN_DN	D	Master Ramp Control down
FREQ_xxx	D	EQ band selection (interlocked)
CHANNELx_SEL	D	Select Midi channel first. This then polls the Ashly for complete status
LIM/THR_UP	D	Threshold adjust up
LIM/THR_DN	D	Threshold adjust down
LIM/RATIO_UP	D	Ratio adjust up
LIM/RATIO_DN	D	Ratio adjust down
LIM/ATTACK_UP	D	Attack adjust up
LIM/ATTACK_DN	D	Attack adjust down
LIM/RELEASE_UP	D	Release adjust up
LIM/RELEASE_DN	S	Release adjust down
HPF_UP	D	High Pass Filter adjust up
HPF_DN	S	High Pass Filter adjust down
LPF_UP	D	Low Pass Filter adjust up
LPF_DN	S	Low Pass Filter adjust down
EQ_IN/OUT	D	Set Equalizer in/out of processing
CMPL_IN/OUT	S	Set Compressor/Limiter in/out of processing
HLPF_IN/OUT	D	Set Band Pass Filters in/out of processing

DELAY_IN/OUT	S	Set Delay in/out of processing
EQ_PRE/POST	D	Set Equalizer before or after processing
CHAN_MUTE	S	Mute current Channel
DELAY_UP	D	Delay adjust up
DELAY_DN	S	Delay adjust down
PRESET_x	D	Momentary press recalls a preset. To store a preset, first recall the preset then press and hold for 4 seconds
FLATTEN_EQ	S	Serial signal to be routed from a 2 way com port.
FLATTEN_EQ	D	Sets current channel's EQ to flat
FROM_DEVICE\$	S	Serial data string to be routed from a 2-way RS232 port (from Ashly to module)

FEEDBACK:

FREQ_xxx_FB	D	EQ band selection Feed Back
MASTER_LEVEL_FB	D	Master volume selected Feed Back
CHANx_FB	D	Feed back indicating which midi channel is currently selected
EQ_IN_FB	D	Feed Back that Indicates EQ is IN
CMPL_IN_FB	D	Feed Back that Indicates Compressor/Limiter is IN
HLPF_IN_FB	D	Feed Back that Indicates High/Low Pass filters are IN
DELAY_IN_FB	D	Feed Back that Indicates delay is IN
EQ_PRE/POST_FB	D	Feed Back that Indicates EQ is POST processing
PRESET_x_FB	A	Feedback indicating current preset selected
PRESET_RECALL_FB	A	Feedback indicating newly selected preset is loading
BG_xxx (31hz to 16Khz)	A	Analog bargraph outputs to Touch Panel Gauges
BG_MASTER	D	Analog bargraph output to Touch Panel-Master Volume Level
BG_THRES	D	Analog bargraph output to Touch Panel-Threshold Level
BG_DELAY	A	Analog bargraph output to Touch Panel-Delay Level
DELAY_MSECS	S	Analog gauge output to Touch Panel-Delay in milliseconds (0.000)
LIMITER_RATIO\$	A	Indirect Text String-Ratio Value
ATTACK_TIME\$	S	Indirect Text String-Attack Value
RELEASE_TIME\$	A	Indirect Text String-Release Time Value
HPF\$	S	Indirect Text String-High Pass Filter Value
LPF\$	A	Indirect Text String-Low Pass Filter Value
THR\$	S	Indirect Text String-Threshold Value
TO_DEVICE\$	A	Outside temperature.
To_Device\$	S	Serial data string to be routed to a 2-way RS232 port (from module to Ashly)

OPS USED FOR TESTING:

5.12.63x (X-Gen)
v3.015.cuz (2-Series)

COMPILER USED FOR TESTING: SimplWindows Version 2.02.12
SAMPLE PROGRAM: Ashly 4.24G Demo.smw
REVISION HISTORY: None