CRESTRON

HELP FILE DOCUMENT

Manufacturer: Williams Sound
Model:PLA-DL210
Device Type:Hearing Assist – Digital Loop Amplifier

CONTACT SUPPORT:

COMPANY NAME:	TouchPoint Logic
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NOTES:	

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Williams Sound PLA-DL210_IP Demo-CP3N.smw
CATEGORY:	(Category of device or logic)
VERSION:	Version 1.0
SUMMARY:	This module provides for basic control of the Williams Sound PLA-210 Professional Loop Amplifier. Basic controls consist of Input Levels, Input Mute, Input and Output VU meters, Preset Selection, and Amp Status and Loop Tests. Also reports the customized Input channel names(changed via front panel or manufacturer software.
GENERAL NOTES:	Requires PLA-DL210 firmware version 1.141 for proper operation. RTS/CTS Handshaking must be selected on the com port for proper operation.
CRESTRON HARDWARE REQUIRED:	MC3
SETUP OF CRESTRON HARDWARE:	MC3, Smart Graphics XPanel
VENDOR FIRMWARE:	Requires PLA-DL210 firmware version 1.141 or newer for proper operation
VENDOR SETUP:	
CABLE DIAGRAM:	Straight-Through serial cable.

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CONTROL:

<Digital_AES_L>_Input_Vol<+/->	D	Press increase/decrease Vol by {Level_Change_Per_Hit} Parament.
<Digital_AES_L>_Input_Level	A	Assign a fader level to be sent when [xx_Send_New_Level] is pressed. Should be driven by an Analog Initialize or Preset with Ramp Time set to 0. (Range is a signed integer from -960 to 0, -960 being = to -96.0dB)
<Digital_AES_L>_Mute <On/Off>	D	Press Mute/Unmute the fader.
<Digital_AES_L>_Mute_Toggle	D	Press to Toggle Mute Status.
Poll<AES> State	D	Pulse to update the state of the given input (Fader Level, Mute Status, etc).
Poll_<Input/Output>_VU_Meters	D	While this input is HI, the module will ask for VU Meter data at {VU_Meter Refresh Rate}. When signal goes low, polling will stop. Intention is to latch this signal HI when the appropriate page is active, therefor only receiving the data when needed.
AGC_Preset-<Music/Voice/Custom>	D	Press to select a audio preset..
Loop_Test_Intiate	D	Press to run a Loop Test.
Get_Amp_Status	D	Press to get current status of Amp 1(Loop 1) and Amp 2(Loop 2).
Set_Get_Status	D	Pulse this input at startup to make the DL-210A send current status after commands are sent. This is required for proper operation. If you don't do this, the unit will not reply with current volume status or mute status.
Poll	D	Pulse this on startup, after Set_Get_Status to get current status of the PLA-DL210. This is only required once.

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FEEDBACK:

<Digital_AES_L>_Fader_Level	A	Indicates the current fader level for the input. (Signed integer from -960 to 0, -960 being = to -96.0dB)
<Digital_AES_L>_Input_Mute_FB	D	Indicates the current mute status of the input.
<Digital_AES_L>_Ch_Name	S	Reports the custom name assigned to the input via the PC/IPad/Front Panel.
Input_<AES_L>_VU Meter	A	Indicates the VU Levels for the input. For a gauge object on touchpanel. (0-65535)
Output_<Loop_A>_VU Meter	A	Indicates the VU Levels for the input. For a gauge object on touchpanel. (0-65535).
AGC_Preset-<Music/Voice/Custom>_FB	D	Indicates the active Preset.
Loop_<A/B>_Test_*	D	Reports Loop Test results.
Amp<1/2>_Temp	A	Reports the current temp of the Amps, updated every 60 seconds.
Amp,1/2>_over_<100c/125c>	D	Reports HI if temp is over * level
System(Processor_Temp)	A	Reports the current temp of the processor, updated every 60 seconds.
Amp_<1/2>_Ready/Clip Warning/Temp over 100c/Temp over 125c/Shutdown Fault/Enabled	D	Indicates the current status of Amp 1 & 2. Test runs automatically every 10 minutes or when Get_Amp_Status is pulsed.

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PARAMETERS:

VU_Meter Refresh Rate	A	Integer stating the number of times per second to report the VU Level. This creates a lot of network traffic, use carefully! 1 to 30 times per second allowed.
Level_Change_Per_Hit	A	Integer setting the amount of change for every press of the Vol+/Vol- inputs.

TESTING:

OPS USED FOR TESTING:	3 Series (MC3)
SIMPL WINDOWS USED FOR TESTING:	4.02.56.01
DEVICE DB USED FOR TESTING:	62.01.001.00
CRES DB USED FOR TESTING:	49.06.005.00
SYMBOL LIBRARY USED FOR TESTING:	508
SAMPLE PROGRAM:	Williams Sound PLA-DL210_Serial Demo-MC3
REVISION HISTORY:	Version 1.0