

**Partner: Dolby**  
**Model: DP564**  
**Device Type: Surround Sound Processor**



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Dolby DP564 v1.0
<b>CATEGORY:</b>	Receiver/Processor
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module will control the basic functions of the DP564 Audio Decoder.
<b>GENERAL NOTES:</b>	This module will control the Dolby DP564 via RS-232. Please note that this module must be used on a 2-way serial port since we rely on status bytes from the unit in order to provide feedback, even if Poll_Enable is not set high.
<b>CRESTRON HARDWARE REQUIRED:</b>	CNX-COM, CNX-COM2, C2-COM, C2-COM2, C2-COM3, ST-COM
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 115200 Parity: N Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	None
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	Custom Cable



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**CONTROL:**

<b>Input_*</b>	D	Pulse to select the input source (AES1, AES2, Optical or Streaming).
<b>Decode_Format_*</b>	D	Pulse to select the decode format (Auto or Dolby Digital).
<b>PCM_Decode_Format_*</b>	D	Pulse to select the PCM decode format (None, Pro Logic, Pro Logic II or EX).
<b>Compression_Mode_*</b>	D	Pulse to select the compression mode (None, RF, Line or Custom).
<b>Downmix_*</b>	D	Pulse to select the downmix (Full, Stereo or Lt/Rt).
<b>Mono_Sum_On/Off/Toggle</b>	D	Pulse to turn mono sum on or off.
<b>Bypass_Mode_On/Off/Toggle</b>	D	Pulse to bypass mode on or off.
<b>Dim_On/Off/Toggle</b>	D	Pulse to dim on or off.
<b>Preset_Control_Recall_1-32</b>	D	Pulse to recall presets 1-32.
<b>Master_Volume_Up/Down</b>	D	Press to adjust the master volume level.
<b>Poll_Enable</b>	D	Latch high to enable polling.
<b>From_Device</b>	S	Serial signal to be routed from a 2-way serial com port.

**FEEDBACK:**

<b>Input_Is_*</b>	D	Indicates the current input source (AES1, AES2, Optical or Streaming).
<b>Decode_Format_Is_*</b>	D	Indicates the current decode format (Auto or Dolby Digital).
<b>PCM_Decode_Format_Is_*</b>	D	Indicates the current PCM decode format (None, Pro Logic, Pro Logic II or EX).
<b>Compression_Mode_Is_*</b>	D	Indicates the current compression mode (None, RF, Line or Custom).
<b>Downmix_Is_*</b>	D	Indicates the current downmix setting (Full, Stereo or Lt/Rt).
<b>Mono_Sum_Is_On/Off</b>	D	Indicates the current mono sum status.
<b>Bypass_Mode_Is_On/Off</b>	D	Indicates the current bypass status.
<b>Dim_Is_On/Off</b>	D	Indicates the current dim status.

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Preset_Control_Recall_Is_1-32	D	Indicates the current preset if one is selected.
Master_Volume_Gauge	A	Indicates the current analog master volume level. To be sent to a gauge object on a touchpanel.
To_Device	S	Serial signal to be routed to a 2-way serial com port.

### TESTING:

OPS USED FOR TESTING:	v3.155.1240
SIMPL WINDOWS USED FOR TESTING:	v2.11.10
CRES DB USED FOR TESTING:	v20.03.008.00
DEVICE DATABASE:	v20.05.014.00
SYMBOL LIBRARY USED FOR TESTING:	V584
SAMPLE PROGRAM:	Dolby DP564 v1.0.smw
REVISION HISTORY:	v1.0 – Original release.