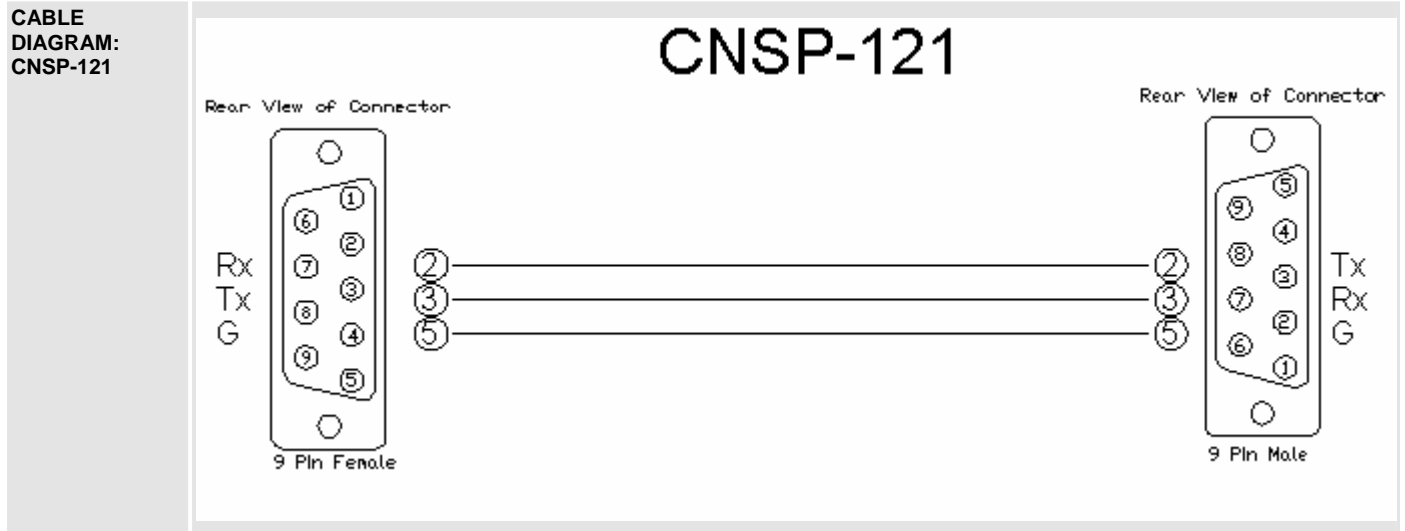


Partner: Anthem  
 Model: AVM 30  
 Device Type: Tuner/Processor



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Anthem AVM 30 Tuner-Processor.umc
<b>CATEGORY:</b>	Tuner / Audio Processor
<b>VERSION:</b>	1.00
<b>SUMMARY:</b>	This module controls the most common functions of the Anthem AVM 30 Tuner/Processor.
<b>GENERAL NOTES:</b>	This module controls the most common functions of the Anthem AVM 30 Tuner/Processor. At the time of development, there was no indication of mute status for feedback, nor was there anyway to recall tuner presets. So, there is no mute feedback status on the module and there is no tuner preset functionality. The analog inputs for Direct Tuning can be used for hard-coded preset recalls using analog inits, in the mean time.
<b>CRESTRON HARDWARE REQUIRED:</b>	C21-COM, ST-COM, C2-COM-* or CNX-COM2
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 19200 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	Unknown
<b>VENDOR SETUP:</b>	None



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**CONTROL:**

<b>Power_On / Power_Off</b>	D	Pulse to turn Main Power On/Off
<b>Volume_Up / Volume_Down</b>	D	Press and hold to turn the Volume Up/Down
<b>Mute_*</b>	D	Pulse to turn the mute On/Off/ or toggle
<b>Input_*</b>	D	Pulse to select the desired A/V input
<b>Audio_*</b>	D	Pulse to select the Audio Breakaway Input
<b>Video_*</b>	D	Pulse to select the Video Breakaway Input
<b>Stereo_*</b>	D	Pulse to select the desired Stereo DSP effect
<b>Stereo_THX_*</b>	D	Pulse to select the THX Mode for the Stereo Input
<b>Dolby2_*</b>	D	Pulse to select the desired DSP effect for a Dolby 2.0 encoded input
<b>Dolby2_THX_*</b>	D	Pulse to select the THX mode for the Dolby 2.0 encoded input
<b>DolbyEx_*</b>	D	Pulse to select the desired DSP effect for the Dolby EX encoded input
<b>Dolby51+6-Ch_*</b>	D	Pulse to select the desired DSP effect for a Dolby 5.1 or the 6-Channel input
<b>DTS_ES_*</b>	D	Pulse to select the desired DSP effect for the DTS ES encoded input
<b>DTS_51_*</b>	D	Pulse to select the desired DSP effect for the DTS 5.1 encoded input
<b>Z2_Power_On / Z2_Power_Off</b>	D	Pulse to turn Zone 2 Power On/Off
<b>Z2_Volume_Up / Z2_Volume_Down</b>	D	Press and hold to turn Zone 2 Volume Up/Down
<b>Z2_Mute_Toggle</b>	D	Pulse to toggle the Zone 2 Mute status
<b>Z2_Input_*</b>	D	Pulse to select the desired Zone 2 Input
<b>Z3_Power_On / Z3_Power_Off</b>	D	Pulse to turn Zone 3 Power On/Off
<b>Z3_Volume_Up / Z3_Volume_Down</b>	D	Press and hold to turn Zone 3 Volume Up/Down
<b>Z3_Mute_Toggle</b>	D	Pulse to toggle the Zone 3 Mute status

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Z3_Input_*	D	Pulse to select the desired Zone 3 Input
Tuner_AM_Tune_*	D	Pulse to change to AM and tune up/down one station number
Tuner_FM_Tune_*	D	Pulse to change to FM and Tune up/down one station number
Tuner_Seek_*	D	Pulse to Seek Up/Down in the currently selected Tuner mode (AM/FM)
Direct_Tune_AM	A	Analog input to directly tune to a particular AM station. Valid Format: Value between 540 and 1600 in 10 KHz Steps
Direct_Tune_FM	A	Analog Input to directly tune to a particular FM station. Valid Format: Value between 87.5 and 107.9 in 0.1 MHz steps (without the ".". (i.e 1015 for 101.5 MHz)
Poll_Device	D	Make this signal high only while true feedback of the device is required
From_Device\$	S	Signal to be tied to the RX side of the com port used to control the device

### FEEDBACK:

Power_On_Fb / Power_Off_Fb	D	Feedback indicating whether Main Power is On or Off
Volume_Bar	A	Analog feedback indicating the current volume (from 0-100%). For connection to an analog gauge on a touch panel
Volume\$	S	Serial feedback indicating the current Main Volume as indicated on the device front panel. For connection to a variable text field on a touch panel
Input_*_Fb	D	Feedback indicating the currently selected A/V source for the Main Zone. No outputs are active if there is currently a Breakaway condition of Audio or Video
Audio_*_Fb	D	Feedback indicating the Breakaway Audio status. No outputs are active this is not currently a Breakaway condition
Video_*_Fb	D	Feedback indicating the Breakaway Video status. No outputs are active this is not currently a Breakaway condition
Z2_Power_On_Fb / Z2_Power_Off_Fb	D	Feedback indicating the status of Zone 2 Power
Z2_Input_*_Fb	D	Feedback indicating the current A/V input in Zone 2
Z3_Power_On_Fb / Z3_Power_Off_Fb	D	Feedback indicating the status of Zone 3 Power
Z3_Input_Fb	D	Feedback indicating the current A/V input in Zone 3
Tuner_Station\$	S	Serial feedback indicating the current station (including AM or FM). For connection to an indirect text field on a touch panel
To_Device\$	S	Serial signal to be routed to the TX side of the com port used to control the device

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	v3.137 (Release)
<b>COMPILER USED FOR TESTING:</b>	2.00.31
<b>SAMPLE PROGRAM:</b>	Anthem AVM 30 Tuner-Processor Pro 2.smw, Anthem AVM 30 Tuner-Processor CNMSX.smw
<b>REVISION HISTORY:</b>	V. 1.0