

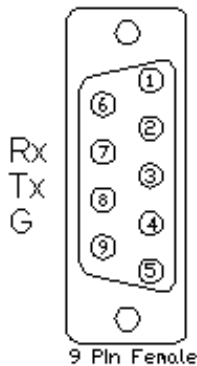
**Partner: ATI**  
**Model: ATP6700**  
**Device Type: AV Processor**


**GENERAL INFORMATION**

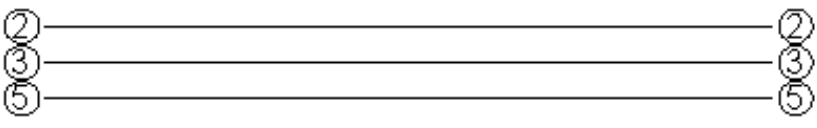
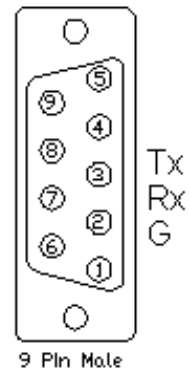
<b>SIMPLWINDOWS NAME:</b>	ATI ATP6700
<b>CATEGORY:</b>	Audio Processor
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	Controls all standard functions and provides true feedback
<b>GENERAL NOTES:</b>	This module will control all of the standard functions on a ATI ATP6700 AV Surround Receiver. The unit provides true feedback. Functions provided include main zone control & zone 2 control.
<b>CRESTRON HARDWARE REQUIRED:</b>	ST-COM, C2I-COM6, c2COM-2/3
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	N/A
<b>CABLE DIAGRAM:</b>	CNSP-121

# CNSP-121

Rear View of Connector



Rear View of Connector



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**CONTROL:**

Main_On	D	Pulse to turn the main zone on
Main_Off	D	Pulse to turn the main zone off
Main_Input_DVD	D	Pulse to select the DVD as the main input
Main_Input_CD	D	Pulse to select the CD as the main input
Main_Input_Tape	D	Pulse to select Tape as the main input
Main_Input_Cable	D	Pulse to select Cable as the main input
Main_Input_Sat	D	Pulse to select Satellite as the main input
Main_Input_TV	D	Pulse to select TV as the main input
Main_Input_AV1	D	Pulse to select AV1 as the main input
Main_Input_AV2	D	Pulse to select AV2 as the main input
Main_Input_VCR	D	Pulse to select VCR as the main input
Main_Input_7.1	D	Pulse to select the 7.1 direct input for audio. This will also select DVD as the video source
Main_Volume_Up	D	Press and hold to raise the main zone volume
Main_Volume_Down	D	Press and hold to lower the main zone volume
Main_Mute_On	D	Pulse to set the main zone mute on
Main_Mute_Off	D	Pulse to set the main zone mute off
Main_Mute_Toggle	D	Pulse to toggle the main zone mute state
Bass_Trim_Volume_Up	D	Press and hold to raise the bass trim level
Bass_Trim_Volume_Down	D	Press and hold to lower the bass trim level
Listen_Mode_Surround	D	Pulse to set the listen mode to surround
Listen_Mode_Stereo	D	Pulse to set the listen mode to stereo
Listen_Mode_5_Ch_Stereo	D	Pulse to set the listen mode to 5.1 stereo

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Dolby_On	D	Pulse to enable Dolby processing
Dolby_Off	D	Pulse to disable Dolby processing
Full_Range_On	D	Pulse to enable Full Range
Full_Range_Off	D	Pulse to disable Full Range
Dolby_EX_On	D	Pulse to enable Dolby EX processing
Dolby_EX_Off	D	Pulse to disable Dolby EX processing
NEO-6_Music	D	Pulse to select NEO:6 Music processing
NEO-6_Movie	D	Pulse to select NEO:6 Movie processing
Dolby_PLII-Music	D	Pulse to select Dolby PLII Music processing
Dolby_PLII-Movie	D	Pulse to select Dolby PLII Movie processing
TFT_On	D	Pulse to turn the TFT display on
TFT_Off	D	Pulse to turn the TFT display off
On_Screen_Status	D	Pulse to view current status
Display_OSD_On	D	Pulse to enable main display OSD
Display_OSD_Off	D	Pulse to disable main display OSD
On_Screen_Setup_On	D	Pulse to view setup on main display
On_Screen_Setup_Off	D	Pulse to disable setup on main display
Zone_2_On	D	Pulse to turn zone 2 on
Zone_2_Off	D	Pulse to turn zone 2 off
Zone_2_Volume_Up	D	Press and hold to raise zone 2 volume
Zone_2_Volume_Down	D	Press and hold to lower zone 2 volume
Zone_2_Mute_On	D	Pulse to set zone 2 mute on
Zone_2_Mute_Off	D	Pulse to set zone 2 mute off
Zone_2_Mute_Toggle	D	Pulse to toggle the zone 2 mute state

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Zone_2_Input_CD	D	Pulse to select CD as the zone 2 source
Zone_2_Input_Tape	D	Pulse to select Tape as the zone 2 source
Zone_2_Input_Aux	D	Pulse to select Aux as the zone 2 source
From_Device	S	Serial signal to be routed from a 2 way serial com port

### FEEDBACK:

Main_Is_On	D	High to indicate the main zone is on
Main_Is_Off	D	High to indicate the main zone is off
Main_Input_Is_DVD	D	High to indicate the main audio input is DVD
Main_Input_Is_CD	D	High to indicate the main audio input is CD
Main_Input_Is_Tape	D	High to indicate the main audio input is Tape
Main_Input_Is_Cable	D	High to indicate the main audio input is Cable
Main_Input_Is_Sat	D	High to indicate the main audio input is Satellite
Main_Input_Is_TV	D	High to indicate the main audio input is TV
Main_Input_Is_AV1	D	High to indicate the main audio input is AV1
Main_Input_Is_AV2	D	High to indicate the main audio input is AV2
Main_Input_Is_VCR	D	High to indicate the main audio input is VCR
Main_Input_Is_7.1	D	High to indicate the main audio is direct 7.1
Video_Input_Is_DVD	D	High to indicate the main video source is DVD
Video_Input_Is_Cable	D	High to indicate the main video source is Cable
Video_Input_Is_Sat	D	High to indicate the main video source is Satellite
Video_Input_Is_TV	D	High to indicate the main video source is TV
Video_Input_Is_AV1	D	High to indicate the main video source is AV1
Video_Input_Is_AV2	D	High to indicate the main video source is AV2

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Video_Input_Is_VCR	D	High to indicate the main video source is VCR
Source_Is_Analog	D	High to indicate the main audio source is Analog
Source_Is_DIG1	D	High to indicate the main audio source is DIG1
Source_Is_DIG2	D	High to indicate the main audio source is DIG2
Source_Is_DIG3	D	High to indicate the main audio source is DIG3
Source_Is_DIG4	D	High to indicate the main audio source is DIG4
Source_Is_DIG5	D	High to indicate the main audio source is DIG5
Source_Is_DIG6	D	High to indicate the main audio source is DIG6
Source_Is_DIG7	D	High to indicate the main audio source is DIG7
Source_Is_DIG8	D	High to indicate the main audio source is DIG 8
Main_Volume_Gauge	A	Analog signal indicating the main zone volume level
Main_Mute_Is_On	D	High to indicate the main mute is on
Main_Mute_Is_Off	D	High to indicate the main mute is off
Zone_2_Is_On	D	High to indicate zone 2 is on
Zone_2_Is_Off	D	High to indicate zone 2 is off
Zone_2_Volume_Gauge	A	Analog signal indicating the zone 2 volume level
Zone_2_Mute_Is_On	D	High to indicate zone 2 mute is on
Zone_2_Mute_Is_Off	D	High to indicate zone 2 mute is off
Zone_2_Input_Is_CD	D	High to indicate zone 2 audio source is CD
Zone_2_Input_Is_Tape	D	High to indicate zone 2 source is Tape
Zone_2_Input_Is_Aux	D	High to indicate zone 2 source is Aux
Noise_Sequence_Is_Active	D	High to indicate noise sequence is active
Signal_Is_Stereo	D	High to indicate audio signal is Stereo
Signal_Is_Dolby_Digital	D	High to indicate audio signal is Dolby Digital

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<b>Signal_Is_Dolby_Digital_Stereo</b>	D	High to indicate audio signal is Dolby Digital Stereo
<b>Signal_Is_MPEG_Source</b>	D	High to indicate audio signal is MPEG
<b>Signal_Is_AAC_Source</b>	D	High to indicate audio signal is AAC
<b>Signal_Is_DTS</b>	D	High to indicate audio signal is DTS
<b>Signal_Is_DTS_Stereo</b>	D	High to indicate audio signal is DTS Stereo
<b>Signal_Is_Reverb_On</b>	D	High to indicate audio signal has reverb on
<b>Signal_Is_DTS_ES_Matrix_6.1</b>	D	High to indicate audio signal is DTS ES Matrix 6.1
<b>Signal_Is_DTS+Neo6</b>	D	High to indicate audio signal is DTS+NEO:6
<b>Signal_Is_PCM+Neo6</b>	D	High to indicate audio signal is PCM+NEO:6
<b>Signal_Is_Dolby_Digital+Neo6</b>	D	High to indicate audio signal is Dolby Digital+NEO:6
<b>Signal_Is_Neo6_Cinema</b>	D	High to indicate audio signal is NEO:6 Cinema
<b>Signal_Is_Neo6_Music</b>	D	High to indicate audio signal is NEO:6 Music
<b>Signal_Is_Music7</b>	D	High to indicate audio signal is 7.1 Surround
<b>Signal_Is_DTS_ES_Discrete_6.1</b>	D	High to indicate audio signal is DTS ES Discrete 6.1
<b>Signal_Is_Dolby_Digital_EX</b>	D	High to indicate audio signal is Dolby Digital EX
<b>Signal_Is_DOLBY_PLI</b>	D	High to indicate audio signal is Dolby PLI
<b>Signal_Is_Dolby_PLII_Virtual</b>	D	High to indicate audio signal is Dolby PLII Virtual
<b>Signal_Is_Dolby_PLII_Music</b>	D	High to indicate audio signal is Dolby PLII Music
<b>Signal_Is_Dolby_PLII_Movie</b>	D	High to indicate audio signal is Dolby PLII Movie
<b>Signal_Is_Dolby_PLII_Matrix</b>	D	High to indicate audio signal is Dolby PLII Matrix
<b>Signal_Is_Dolby_PLII_Custom</b>	D	High to indicate audio signal is Dolby PLII Custom
<b>Signal_Is_Dolby_PLII_Music_PAN</b>	D	High to indicate audio signal is Dolby PLII Music PAN
<b>Signal_Is_Dolby_PLII_Custom_PN</b>	D	High to indicate audio signal is Dolby PLII Custom PAN
<b>Calibration_Is_Selected</b>	D	High to indicate Calibration is selected



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<b>Processing_7.1_Bypass_Is_Active</b>	D	High to indicate Processing 7.1 Bypass is active
<b>Signal_Is_Dolby_Prologic_II</b>	D	High to indicate zone 2 audio signal is Dolby Prologic II
<b>Signal_Is_Bass_Trim</b>	D	High to indicate Bass Trim is active
<b>Signal_Is_Dolby_PLII</b>	D	High to indicate zone 2 audio signal is Dolby PLII
<b>Signal_Is_DTS_Neo6</b>	D	High to indicate zone 2 audio signal is DTS Neo:6
<b>To_Device</b>	S	Serial signal to be routed to a 2 way serial com port

## TESTING:

<b>OPS USED FOR TESTING:</b>	4.001.1012
<b>SIMPL WINDOWS USED FOR TESTING:</b>	2.11.18.00
<b>CRESTRON DB USED FOR TESTING:</b>	20.05.022.00
<b>DEVICE DB USED FOR TESTING:</b>	21.03.005.00
<b>SAMPLE PROGRAM:</b>	ATI ATP6700 v1.0 Demo Pro2.smw
<b>REVISION HISTORY:</b>	V. 1.0