

**Partner: NEC**  
**Model: NP-PA600X**  
**Device Type: LCD Projector**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	NEC NP-PA600X IP v1.0.umc
<b>CATEGORY:</b>	TV/Video Projector
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module controls the NEC NP-PA600X via TCP/IP.
<b>GENERAL NOTES:</b>	<p>This module was written and tested with the NP-PA600X. It should also control the following projector models: NP4000, NP4100, NP4100W, NP905, NP600, NP62, NP64, NP3250, NP610, NP2200, NP215, NP216, NP-M300X, NP-M300XS, NP-M300W, NP-M300WS, NP-P420X, NP-U300X, NP-V300X and the NP-V300M.</p> <p>NOTE: Not all functions are available on all models. Please check with NEC for more information.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	C2ENET-1 or C2ENT-2
<b>SETUP OF CRESTRON HARDWARE:</b>	TCP Client Port 7142
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	Cat5E

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**CONTROL:**

<b>Power_On/Off/Toggle</b>	D	Pulse to turn on and off the power.
<b>Select_*</b>	D	Pulse to select the desired source.
<b>Aspect_*</b>	D	Pulse to set the aspect ratio.
<b>Picture_Mute_On/Off/Toggle</b>	D	Pulse to turn on and off the picture mute.
<b>Sound_Mute_On/Off/Toggle</b>	D	Pulse to turn on and off the sound mute.
<b>OnScreen_Mute_On/Off/Toggle</b>	D	Pulse to turn on and off the OnScreen mute.
<b>Volume_Increment/Decrement</b>	D	Hold active to raise and lower the volume level.
<b>Volume</b>	A	Sets the volume to a specific level (0%-100%).
<b>Brightness_Increment/Decrement</b>	D	Hold active to raise and lower the brightness level.
<b>Brightness</b>	A	Sets the brightness to a specific level (0%-100%).
<b>Contrast_Increment/Decrement</b>	D	Hold active to raise and lower the contrast level.
<b>Contrast</b>	A	Sets the contrast to a specific level (0%-100%).
<b>Color_Increment/Decrement</b>	D	Hold active to raise and lower the color level.
<b>Color</b>	A	Sets the color to a specific level (0%-100%).
<b>Tint_Increment/Decrement</b>	D	Hold active to raise and lower the tint level.
<b>Tint</b>	A	Sets the color to a specific level (0%-100%).
<b>Sharpness_Increment/Decrement</b>	D	Hold active to raise and lower the sharpness level.
<b>Sharpness</b>	A	Sets the sharpness to a specific level (0%-100%).
<b>Bass_Increment/Decrement</b>	D	Hold active to raise and lower the bass level.
<b>Bass</b>	A	Sets the bass level to a specific level (0%-100%).
<b>Treble_Increment/Decrement</b>	D	Hold active to raise and lower the treble level.
<b>Treble</b>	A	Sets the treble to a specific level (0%-100%).

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{{TCP/IP_Client_>>_Connect-F}}	D	Signal connected to TCP Client for connection feedback.
{{TCP/IP_Client_>>_Status}}	A	Signal connected to TCP Client for status feedback.
{{TCP/IP_Client_>>_RX\$}}	S	Signal connected to TCP Client for data coming from the device.

### FEEDBACK:

Power_Is_On/Off	D	While active indicates that the power is on or off.
*_Is_Selected	D	While active indicates the currently selected source.
Aspect *_Is_Selected	D	While active indicates the currently selected aspect ratio.
Picture_Mute_Is_On/Off	D	While active indicates that the picture is on or off.
Sound_Mute_Is_On/Off	D	While active indicates that the sound mute is on or off.
OnScreen_Mute_Is_On/Off	D	While active indicates that the OnScreen mute is on or off.
Volume_Value	A	Provides the current volume level.
Brightness_Value	A	Provides the current brightness level.
Contrast_Value	A	Provides the current contrast level.
Color_Value	A	Provides the current color level.
Tint_Value	A	Provides the current tint level.
Sharpness_Value	A	Provides the current sharpness level.
Bass_Value	A	Provides the current bass level.
Treble_Value	A	Provides the current treble level.
Lamp_Hours	A	Provides the current lamp hours.
{{Connect_>>_TCP/IP_Client }}	D	Signal connected to TCP Client for connecting to a device.
{{TX\$_>>_TCP/IP_Client }}	S	Signal connected to TCP Client for sending data to a device.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	PRO2: 4.003.0015 MC3: 1.002.0000
<b>SIMPL WINDOWS USED FOR TESTING:</b>	3.11.06
<b>CRES DB USED FOR TESTING:</b>	30.05.014.01
<b>DEVICE DATABASE:</b>	40.05.010.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	799
<b>SAMPLE PROGRAM:</b>	NEC NP-PA600X IP v1.0 Demo
<b>REVISION HISTORY:</b>	v. 1.0 – Original release.