

Partner: Sony  
 Model: NU-NM11B  
 Device Type: AV Switcher



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Sony NU-NM11B v1.0
<b>CATEGORY:</b>	AV Switcher
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module provides TCP/IP control and feedback for Network System Manager (Sony NU-NM11B).
<b>GENERAL NOTES:</b>	<p>This module provides TCP/IP control of the Network System Manager. It also provides feedback on TCP/IP.</p> <p>Network System Manager provides three type of API: REST API, Simple Gateway API and Remote Serial Control. This module uses Simple Gateway API which is a simplified version of REST API.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	3-Series controller with Ethernet.
<b>SETUP OF CRESTRON HARDWARE:</b>	IP Address : 192.168.10.1~192.168.10.9 Subnet Mask : 255.255.255.0
<b>VENDOR FIRMWARE:</b>	Sony NU-NM11B v1.01.0
<b>VENDOR SETUP:</b>	<ol style="list-style-type: none"> <li>1: Install and configure Network System Manager and NSM Simple Gateway.</li> <li>2: Change the communication failure detection function settings of NSM Simple Gateway as follows:            [nsm.simple.gateway.telnet.server.notification.ping-enabled] : false            [nsm.simple.gateway.telnet.server.control.timeout-seconds] : 10</li> </ol> <p>Please refer to the System Integration Guide and the Technical Manual for Network System Manager for more information.</p>
<b>CABLE DIAGRAM:</b>	Connect Crestron Controller to the same network as the Network System Manager using a network cable.

**CONTROL:**

<b>Input_Value</b>	A	The input (source) index number (0 to 15) that is used with "VideoAudio_Enter".
<b>Output_Value</b>	A	The output (destination) index number (0 to 15) that is used with "VideoAudio_Enter".
<b>VideoAudio_Enter</b>	D	Pulse to do video routing due to connect "Input_Value" and "Output_Value".

**Partner: Sony**  
**Model: NU-NM11B**  
**Device Type: AV Switcher**



Preset[1-10]	D	Pulse to do video routing collectively according to "Preset Value[1-10]".
--------------	---	---

### FEEDBACK:

Busy	D	"High" indicate that Network System Manager is processing the API request. Do not send the next API request without waiting for this flag to become low.
System_Status	S	Serial signal indicates the current system status of the Network System Manager.  Example: RUNNING
Input[0-15]_Status	D	"High" indicates that this input is enabled. "Low" indicates that this input is disabled.
Output[0-15]_Status	D	"High" indicates that this output is enabled. "Low" indicates that this output is disabled.
Output[0-15]_Selected_Route	A	The index number of the input that is currently connecting the target output.
Input[0-15]_Img	S	Serial signal indicates the thumbnail URL of the target input. This URL is used to connect to Dynamic Graphics in the Crestron UI.  Example: <a href="http://192.168.10.11:50003/sg/api/v1/thumbnails/S0?count=100">http://192.168.10.11:50003/sg/api/v1/thumbnails/S0?count=100</a>
Output[0-15]_Img	S	Serial signal indicates the thumbnail image URL of the target output. This URL is used to connect to Dynamic Graphics in the Crestron UI.  Example: <a href="http://192.168.10.11:50003/sg/api/v1/thumbnails/D0?count=100">http://192.168.10.11:50003/sg/api/v1/thumbnails/D0?count=100</a>

### PARAMETERS:

IP Address	P	IP Address of Network System Manager.
Control API Port	P	Port number of Simple Gateway Control API. Users can select the port numbers for API access when they install NSM Simple Gateway.
Notification API Port	P	Port number of Simple Gateway Notification API. Users can select the port numbers for API access when they install NSM

**Partner: Sony**  
**Model: NU-NM11B**  
**Device Type: AV Switcher**



		Simple Gateway.
<b>Thumbnail API Port</b>	P	Port number of Simple Gateway Thumbnail API. Users can select the port numbers for API access when they install NSM Simple Gateway.
<b>Preset Value[1-10]</b>	P	Preset Value that is used with "Preset[1-10]".  Example: S0D0,S1D1,S2D2

<b>TESTING:</b>	
<b>OPS USED FOR TESTING:</b>	PRO2: v4.008.0008 PRO3: v1.010.0060
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.02.60
<b>DEVICE DB USED FOR TESTING:</b>	63.07.002.00
<b>CRES DB USED FOR TESTING:</b>	50.00.004.0
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	933
<b>SAMPLE PROGRAM:</b>	Sony NU-NM11B v1.0 Demo
<b>REVISION HISTORY:</b>	v1.0 – Initial Release