

**Partner: Rane**  
**Model: NM1**  
**Device Type: Audio Preamplifier**



### GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Rane NM1 IP Module v1.0
<b>CATEGORY:</b>	Audio Preamplifier
<b>VERSION:</b>	v1.0
<b>SUMMARY:</b>	This modules controls the Rane NM1 via the internet protocol SNMP.
<b>GENERAL NOTES:</b>	This modules controls the Rane NM1 via the internet protocol SNMP. Functions include microphone gain control, with talk, override, private mode and cough settings.
<b>CRESTRON HARDWARE REQUIRED:</b>	Series-2 and Series 3 controllers.
<b>SETUP OF CRESTRON HARDWARE:</b>	Ethernet connectivity.
<b>VENDOR FIRMWARE:</b>	v2.11.4
<b>VENDOR SETUP:</b>	Rane NM1 on a Cobranet network

### CONTROL:

<b>Connect</b>	D	Pulsing will start the module communicating and retrieve the current state of the PDU.
<b>Disconnect</b>	D	Pulsing will stop communications with the PDU.
<b>Do_Poll</b>	D	Pulsing will poll for current values.
<b>Mic_Gain_Raise</b>	D	Pressing will raise microphone gain level.
<b>Mic_Gain_Lower</b>	D	Pressing will lower microphone gain level.
<b>Mic_Gain_Set</b>	A	Assigning will set the microphone gain level. Value range 10d to 65d. <i>Note: Do not use any of the Analog Ramp SIMPL controls. Only intended for use as preset recall.</i>
<b>Talk_On</b>	D	Pulsing will set Talk Mode On.
<b>Talk_Off</b>	D	Pulsing will set Talk Mode Off.
<b>Cough_Enable</b>	D	Pulsing will enable IO controlled cough button.

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Cough_Disable	D	Pulsing will disable the IO controlled cough button.
Override_Enable	D	Pulsing will enable IO controlled override button
Override_Disable	D	Pulsing will disable the IO controlled override button.
Private_Mode_On	D	Pulsing will set Private Mode On.
Private_Mode_Off	D	Pulsing will set Private Mode Off.

### PARAMETERS:

SNMP Community		Enter the read-write community. "private" is the default read-write community.
IP Address		Enter the IP address of the Rane NM1

### FEEDBACK:

Is_Communicating	D	Indicates a successful response from the Rane NM1.
Is_Initialized	D	Indicates the module has successfully retrieved the required status of the Rane NM1.
Mic_Gain_Bargraph	A	Indicates the current level value of the Rane NM1. Range 0d-65535d
Mic_Gain_Actual	S	Indicate the actual level value of the Rane NM1. Range 10d-65d.
Mic_Mute_Is_On	D	Indicates the microphone is muted. (Talk_On, Talk_Off when pulsed will query for this value)
Talk_Is_On	D	Indicates talk mode is on.
Talk_Is_Off	D	Indicates talk mode is off.
Cough_Is_Enabled	D	Indicates the IO controlled cough button is enabled.
Cough_Is_Disabled	D	Indicates the IO controlled cough button is disabled.
Cough_Is_Depressed	D	Indicates the IO controlled cough button is depressed. (Use Do_Poll to query for status)
Override_Is_Enabled	D	Indicates the IO controlled override button is enabled.
Override_Is_Disabled	D	Indicates the IO controlled override button is disabled.

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Override_Is_Depressed	D	Indicates the IO controlled override button is depressed. (Use Do_Poll to query for status)
Private_Mode_Is_On	D	Indicates private mode is on.
Private_Mode_Is_Off	D	Indicates private mode is off.

### TESTING:

OPS USED FOR TESTING:	PRO2 [v4.007.005] CP3 [v1.005.0015]
SIMPL WINDOWS USED FOR TESTING:	v4.01.10
CRES DB USED FOR TESTING:	v36.00.007.00
DEVICE DATABASE:	v47.00.005.00
SYMBOL LIBRARY USED FOR TESTING:	843
SAMPLE PROGRAM:	Rane NM1 SNMP v1.0 Demo PRO2 Rane NM1 SNMP v1.0 Demo CP3
REVISION HISTORY:	v1.0 – Initial Release