



Manufacturer: Neutrik AG
 Model: NA2-IO-DPRO
 Device Type: DANTE I/O Interface

CONTACT SUPPORT: (please fill out carefully)

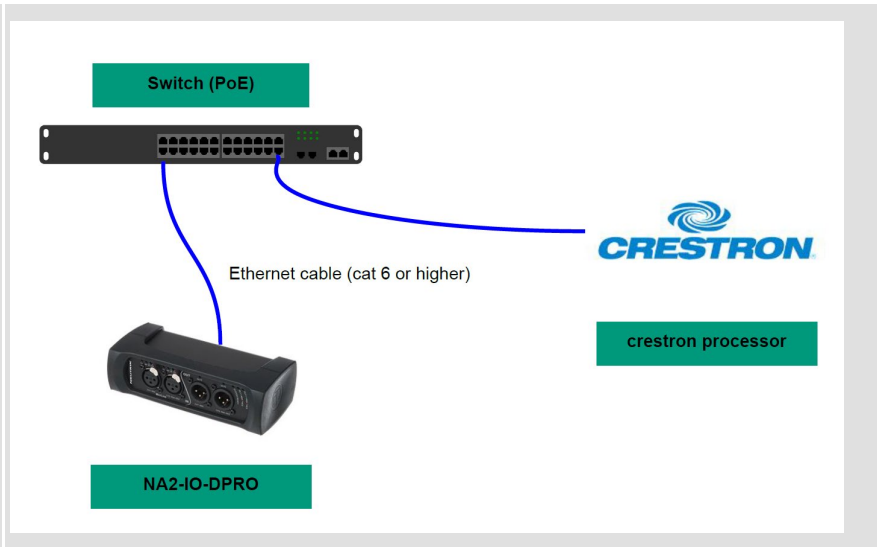
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|------------------|---|
| COMPANY NAME: | Neutrik AG |
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| NOTES: | |

GENERAL INFORMATION

| | |
|-----------------------------|---|
| SIMPLWINDOWS NAME: | NA2-IO-DPRO_V.1.0 |
| CATEGORY: | Device Interface |
| VERSION: | V.1.0 |
| SUMMARY: | This module controls a Neutrik NA2-IO-DPRO via Ethernet connection. |
| GENERAL NOTES: | This module is designed to control a NA2-IODPRO via Crestron Control System. It uses Ethernet connection for audio (Dante) and control signals. |
| CRESTRON HARDWARE REQUIRED: | 3-Series processor / 4-Sereis processor |
| SETUP OF CRESTRON HARDWARE: | The processor's IP address must be in the same subnet as the NA2-IO-DPRO (typically 169.254.x.x / 255.255.0.0) Other classes are possible. For IP settings at the device, please refer to the manual, available on <i>neutrik.com</i>) |
| VENDOR FIRMWARE: | 9.13.0.0 |
| VENDOR SETUP: | NA2-IO-DPRO connected via Ethernet |

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CABLE DIAGRAM:



CONTROL: (*examples below)

| <u>Signal/Function Name</u> | <u>D,S,A</u> | <u>Digital, Serial, Analog signal property definition.</u> |
|-----------------------------|--------------|---|
| Modul.Connect | D | 1: causes the module to connect to the NA2-IO-DPRO 0: causes disconnect |
| Modul.Identify | D | 1: switches the Identify mode on (all Leds blinking) 0: Identify mode off |
| Input.Link | D | 1: input link on – all controls for input channel 1 also work for channel 2 0: input link off |
| Output.Link | D | 1: output link on – all controls for output channel 1 also work for channel 2 0: output link off |
| Input1.MicLine | D | 1: causes Input1 to Line mode 0: causes Input1 to Mic mode No function if AES Input is used! |



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|---------------------|---|--|
| Input1.Highpass | D | 1: causes Input1 Highpass On 0: causes Input1 Highpass Off No function if AES Input is used |
| Input1.Pad | D | 1: causes Input1 Pad On (16 dB attenuation) 0: causes Input1 Pad Off No function if AES Input is used ! Works only in Line mode ! |
| Input1.PhantomPower | D | 1: causes Input1 Phantom Power On (+48V) 0: causes Input1 Phantom Power Off No function if AES Input is used ! Works only in Mic mode ! |
| Input1.Gain | A | Analog value for Input Gain (0 ... 67dB, 3dB steps) Works only in Mic mode ! |
| Input2.MicLine | D | 1: causes Input2 to Line mode 0: causes Input2 to Mic mode No function if AES Input is used! |
| Input2.Highpass | D | 1: causes Input2 Highpass On 0: causes Input2 Highpass Off No function if AES Input is used |
| Input2.Pad | D | 1: causes Input2 Pad On (16 dB attenuation) 0: causes Input2 Pad Off No function if AES Input is used ! Works only in Line mode ! |
| Input2.PhantomPower | D | 1: causes Input2 Phantom Power On (+48V) 0: causes Input2 Phantom Power Off No function if AES Input is used ! Works only in Mic mode ! |
| Input2.Gain | A | Analog value for Input Gain (0 ... 67dB, 3dB steps) Works only in Mic mode ! |



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|----------------|---|---|
| Output1.Mute | D | 1: Mute On 0: Mute Off |
| Output1.Volume | A | Analog value for Output Volume (0 ... -Inf dB, 1 dB steps) No function if AES Output is used! |
| Output2.Mute | D | 1: Mute On 0: Mute Off |
| Output2.Volume | A | Analog value for Output Volume (0 ... -Inf dB, 1dB steps) No function if AES Output is used! |

FEEDBACK: (*examples below)

| | | |
|------------------------|---|---|
| Modul.Connect.Fb | D | "1" if the module is successfully connected to the NA2-IO-PRO |
| Modul.Identify.Fb | D | "1" if identify mode is on |
| Input.Link.Fb | D | "1" if input link is active |
| Output.Link.Fb | D | "1" if output link is active |
| DeviceFirmwareVersion | S | Shows the device firmware version after connect |
| DanteFirmwareVersion | S | Shows the dante firmware version after connect |
| Input1.MicLine.Fb | D | "1" if Mic Mode is active |
| Input1.Highpass.Fb | D | "1" if Highpass |
| Input1.Pad.Fb | D | "1" if Pad is active |
| Input1.PhantomPower.Fb | D | "1" if PhantomPower is active |
| Input1.Level.Fb | A | Feedback for level (-127 ... 0 dBFS) |



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|------------------------|---|--|
| Input1.Gain.Fb | A | Feedback for input gain (0 ... 67dB, 3dB steps) |
| Input1.Format.Fb | A | 0: no input 1: Analog input 2: AES Input |
| Input2.MicLine.Fb | D | "1" if Mic Mode is active |
| Input2.Highpass.Fb | D | "1" if Highpass |
| Input2.Pad.Fb | D | "1" if Pad is active |
| Input2.PhantomPower.Fb | D | "1" if PhantomPower is active |
| Input2.Level.Fb | A | Feedback for level (-127 ... 0 dbFS) |
| Input2.Gain.Fb | A | Feedback for input gain (0 ... 67dB, 3dB steps) |
| Input2.Format.Fb | A | 0: no input 1: Analog input 2: AES Input |
| Output1.Mute.Fb | D | "1" if Mute is active |
| Output1.Level.Fb | D | Feedback for level (-127 ... 0 dB) |
| Output1.Volume.Fb | A | Feedback for Output Volume (0 ... -128dB, 1dB steps) |
| Output1.Format.Fb | A | 0: no Output 1: Analog Output 2: AES Output |
| Output2.Mute.Fb | D | "1" if Mute is active |
| Output2.Level.Fb | D | Feedback for level (-127 ... 0 dB) |
| Output2.Volume.Fb | A | Feedback for Output Volume (0 ... -128dB, 1dB steps) |
| Output2.Format.Fb | A | 0: no output 1: Analog output 2: AES Output |



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PARAMETERS: (anything needed to be assigned inside program)

| | | |
|-------------------------|---------|---|
| IpAddress | String | IP address of NA2-IO-DPRO |
| MeterRefreshRate | Decimal | Refresh Rate of metering in ms (100ms ... 10000ms) Default: 500ms |
| Debug | Enum | Debug Level (None, Error, Warning, Info, Debug) (for support purposes only) Default: None |

TESTING: (please fill out carefully)

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|---|----------------------|
| OPS USED FOR TESTING: | Intel based PC |
| SIMPL WINDOWS USED FOR TESTING: | 4.11.06 |
| DEVICE DB USED FOR TESTING: | 200.00.004.00 |
| CRES DB USED FOR TESTING: | 200.01.001.00 |
| SYMBOL LIBRARY USED FOR TESTING: | |
| SAMPLE PROGRAM: | NA2-IO-DPRO-Demo.smw |
| REVISION HISTORY: | 1.0 (first release) |