Node Plus provides a powerful and convenient interface between Virtuoso or Art-Net compatible control consoles, pixel mapping from media servers, and subsequent control equipment which require either Art-Net or DMX512 control signals. The unit accepts high level commands in either Virtuoso or Art-Net protocol and converts the data into six universes of DMX512.

## SELF-SENSING

The Node Plus unit operates in one of two primary modes: Virtuoso Mode or Series $400^{\text {TM }}$ Mode. The operating mode is automatically configured by the unit according to the input signal type.

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In Virtuoso Mode, the unit will accept Virtuoso protocol and generate both Art-Net and DMX512 outputs.

In Series 400 Mode, the unit will accept Art-Net protocol and convert it to DMX512.

## EASY CONFIGURATION

The Node Plus includes a menu display for configuring the unit and checking system status. The menu system is easily navigated using a joystick controller, allowing configuration of the Virtuoso address, configuration of DoE outputs in Series 400 Mode, real-time monitoring of DMX512 data on each output, display of network error information, and display of current software version.


## Features

- ACCEPTS BOTH VIRTUOSO AND ART-NET CONTROL PROTOCOLS.
- COMPATIBLE WITH 10BASE-T OR 100BASE-TX STANDARD SIGNALS.
- AUTOMATIC DETECTION AND MODE CONFIGURATION ACCORDING TO INPUT SIGNAL TYPE.
- ONE ETHERNET (ART-NET) OUTPUT PORT SUPPORTING UP TO SIX DMX512 UNIVERSES.
- SIX DMX512 SERIAL OUTPUT PORTS SUPPORTING ONE DMX512 UNIVERSE EACH.
- LEDS INDICATING LINK, TX DATA, AND RX DATA STATUS FOR ALL ETHERNET PORTS.
- LEDS INDICATING DMX TX, RDM TX, AND RDM RX DATA STATUS FOR ALL DMX PORTS.
- DISPLAY SUPPORT FOR CONFIGURATION OF VIRTUOSO ADDRESS, CONFIGURATION OF ART-NET OUTPUTS IN SERIES 400 MODE, REAL-TIME MONITORING OF DMX512 DATA ON EACH OUTPUT, DISPLAY OF NETWORK ERROR INFORMATION, AND DISPLAY OF CURRENT SOFTWARE VERSION.
- NEUTRIK ${ }^{\circledR}$ POWERCON ${ }^{\circledR}$ CONNECTOR FOR INPUT AC SUPPLY.
- FRONT PANEL DC POWER STATUS LED.
- STANDARD 1U 19" RACK MOUNT CHASSIS.
- 90 TO 264 VAC, 47 TO 63 HZ OPERATION.


## Node Plus Diagram



The unit shall be a Node Plus designed to provide interface between a Virtuoso console, or other model lighting console, and subsequent lighting control equipment. The unit shall accept input control signal of either Virtuoso control protocol or Art-Net control protocol, and convert them into six universes of DMX512 data. The unit shall be selfsensing and automatically set the input control protocol and shall default to Virtuoso control protocol by priority when both are present.
The unit shall operate on 90 to 264 VAC, 47 to 63 Hz , and draw less than 60 watts continuously. There shall be one power input connector for inputting AC power to the unit and a recessed switch to reset the unit. There shall be no other power switch, circuit breaker, or fuse accessible
outside the unit. The unit shall have one green LED power indicator to show that DC power has been applied.
The unit shall have one control signal input which is fed from a console providing either Virtuoso or Art-Net protocol. The unit shall have one ArtNet output carrying up to six DMX512 universes. There shall be six [non-isolated] standard DMX512 serial outputs, each carrying one DMX512 universe. Both output protocols shall be simultaneously active in Virtuoso Mode. The unit shall provide status LEDs indicating Link, TX data and RX data for all Ethernet outputs, and DMX Tx, RDM Tx and RDM Rx data for each DMX port. There shall also be six 5 -pin latched female XLR connectors for the serial DMX512 outputs, each
of which shall have three associated green LED status indicators. The unit shall provide a display and joystick for configuration of Virtuoso address, configuration of Art-Net outputs in Series 400 Mode, real-time monitoring of DMX512 data on each output, display of network error information, and display of current software version.
The unit shall be housed in a standard 1 U 19 " rack mount chassis with an approximate depth of 11" behind the panel. The unit shall be sealed and convection cooled with an operating temperature of $-20^{\circ} \mathrm{C}$ to $50^{\circ} \mathrm{C}\left(-4^{\circ} \mathrm{F}\right.$ to $\left.122^{\circ} \mathrm{F}\right)$. The unit shall weigh $4.5 \mathrm{lbs}(2.04 \mathrm{~kg})$. The unit shall be certified to ETL and CSA Standards in CE and DENAN category B, Circle PSE.

## Dimensions

## Sample System Diagrams



DMX512-OVER-ETHERNET (ART-NET) CONSOLE

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