



# Super Node™

The Super Node™ from PRG provides a powerful and convenient interface between VX76® or DMX-over-Ethernet (DoE) compatible control consoles, pixel mapping from media servers, and other control equipment which require either DMX-over-Ethernet or DMX512-A control signals. The unit accepts high level commands in either VX76 or DMX-over-Ethernet protocols and converts the data into eight universes of DMX512-A.

### SELF-SENSING

The Super Node unit operates in one of two primary modes: VX76 Mode or Series 400™ Mode. The operating mode is automatically configured by the unit according to the input signal type.

### CONVERT AND DISTRIBUTE

In VX76 Mode, the unit will accept VX76 protocol and generate both DoE and DMX512-A outputs.

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

### EASY CONFIGURATION

The Super Node includes a menu display for configuring the unit and checking system status. The menu system is easily navigated using the touchscreen, allowing configuration of the VX76 address, configuration of DoE inputs in Series 400 Mode, real-time monitoring of DMX512-A data on each output, display of network error information, and display of current software version.



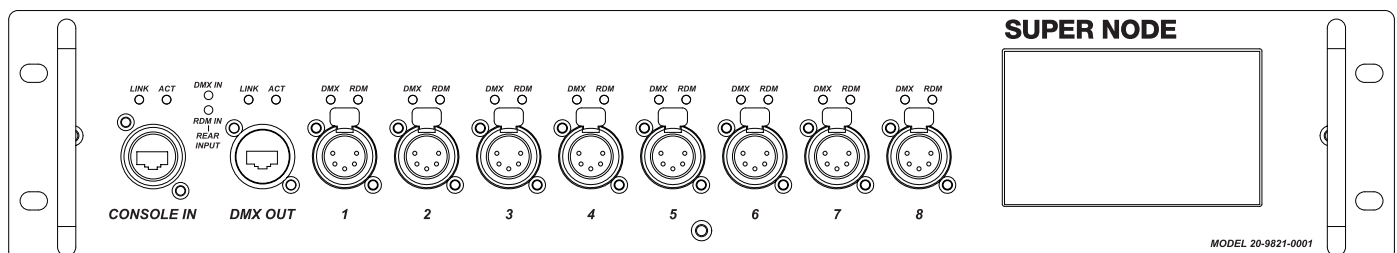
## Features

- ACCEPTS PROPRIETARY VX76 PROTOCOL
- ACCEPTS DMX-OVER-ETHERNET PROTOCOLS, INCLUDING ART-NET AND E1.31 (STREAMING ACN)
- COMPATIBLE WITH 10BASE-T, 1000BASE-T, OR 100BASE-TX STANDARD SIGNALS
- AUTOMATIC DETECTION AND MODE CONFIGURATION ACCORDING TO INPUT SIGNAL TYPE
- ONE (1) ETHERNET OUTPUT PORT SUPPORTING UP TO SIXTEEN (16) DMX512-A UNIVERSES
- EIGHT (8) DMX512-A SERIAL OUTPUT PORTS SUPPORTING ONE (1) DMX512-A UNIVERSE EACH
- ONE (1) DMX512-A INPUT PORT (LOCATED ON THE BACK OF THE UNIT)
- LEDS INDICATING LINK AND ACTIVITY STATUS FOR ALL ETHERNET PORTS
- LEDS INDICATING DMX AND RDM DATA STATUS FOR ALL DMX PORTS
- DISPLAY SUPPORT FOR CONFIGURATION OF VX76 ADDRESS, CONFIGURATION OF DOE INPUTS IN SERIES 400 MODE, REAL-TIME MONITORING OF DMX512-A DATA ON EACH OUTPUT, DISPLAY OF NETWORK ERROR INFORMATION, AND DISPLAY OF CURRENT SOFTWARE VERSION
- NEUTRIK® POWERCON® CONNECTOR FOR INPUT AC SUPPLY
- STANDARD 2U 19" RACK MOUNT CHASSIS
- 90 TO 264 VAC, 47 TO 63 HZ OPERATION

## Ordering Information

20-9821-0001 SUPER NODE

## Super Node Diagram



# Super Node™ Specifications - P R E L I M I N A R Y

The unit shall be a Super Node designed to provide interface between a VX76 console, or other model lighting console, and connected lighting control equipment. The unit shall accept input control signal of either VX76 control protocol or DMX-over-Ethernet control protocol, and convert them into eight universes of DMX512-A data. The unit shall be self-sensing and automatically set the input control protocol and shall default to VX76 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. There shall be no other power switch, circuit breaker, or fuse

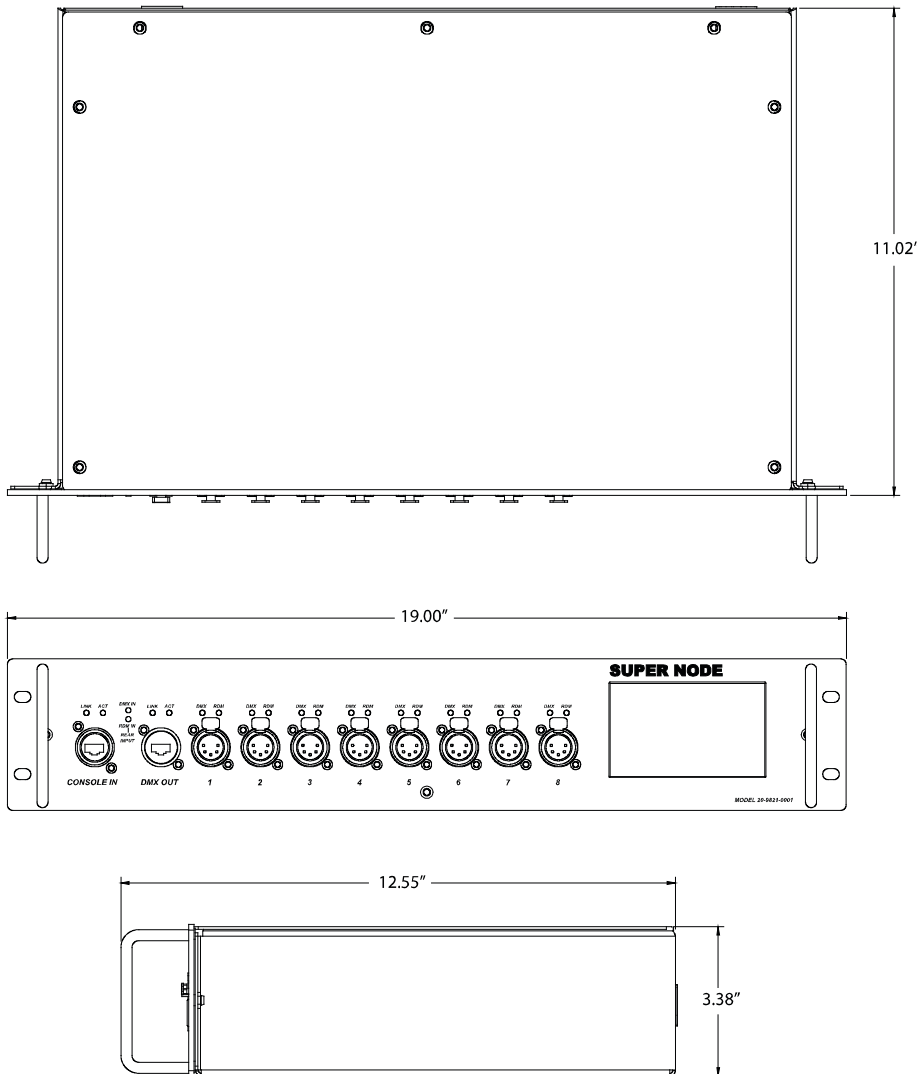
accessible outside the unit.

The unit shall have one control signal input which is fed from a console providing either VX76 or DoE protocol. The unit shall have one DoE output carrying up to sixteen DMX512-A universes. There shall be eight [non-isolated] standard DMX512-A serial outputs on 5-pin latched female XLR connectors, each carrying one DMX512-A universe. Both output protocols shall be simultaneously active. The unit shall provide status LEDs indicating Link and Activity data for all Ethernet outputs, and DMX and RDM status for each DMX port. The unit shall also have one male XLR connector located on the rear panel for DMX input.

The unit shall provide a touchscreen display for configuration of VX76 address, configuration of DoE inputs in Series 400 Mode, real-time monitoring of DMX512-A data on each output, display of network error information, and display of current software version.

The unit shall be housed in a standard 2U 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°C to 50°C (-4°F to 122°F). The unit shall weigh TBD lbs (TBD kg). The unit shall be certified to ETL and CSA Standards in CE and DENAN category B, Circle PSE.

## Dimensions



- TOKYO
- SHANGHAI
- MELBOURNE
- SYDNEY
- LONDON
- BIRMINGHAM
- MAIDSTONE
- HAMBURG
- COLOGNE
- FRANKFURT
- MUNICH
- BERLIN
- DUSSELDORF
- BRUSSELS
- PARIS
- UTRECHT
- MADRID
- ZURICH
- CAPE TOWN
- BUENOS AIRES
- NEW YORK
- NEW JERSEY
- WASHINGTON DC
- TORONTO
- DETROIT
- CHICAGO
- ATLANTA
- ORLANDO
- DALLAS
- DENVER
- LAS VEGAS
- LOS ANGELES

[WWW.PRG.COM](http://WWW.PRG.COM)

SUPER NODE™ IS A TRADEMARK OF PRODUCTION RESOURCE GROUP, LLC. NEUTRIK® AND POWERCON® ARE REGISTERED TRADEMARKS OF NEUTRIK AG.

©2012 PRODUCTION RESOURCE GROUP, LLC. ALL RIGHTS RESERVED. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

VERSION: OCTOBER 2012