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Strand Lighting

NEO Lighting Control Console

SetUp & Install Guide

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IMPORTANT INFORMATION

Warnings and Notices

When using electrical equipment, basic safety precautions should always be followed including the following:

a. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**.

b. Do not use outdoors.

c. Do not mount near gas or electric heaters.

d. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

e. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

f. Do not use this equipment for other than intended use.

g. Refer service to qualified personnel.

SAVE THESE INSTRUCTIONS.

WARNING: CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

AVERTISSEMENT: ATTENTION RISQUE D'EXPLOSION SI LA BATTERIE DE REMPLACEMENT PAR UN TYPE INCORRECT. JETEZ LES PILES USAGEESSELON LES INSTRUCTIONS.

This product must be powered threw a grounded outlet.

Ce produit doit être alimenté jeté une prise de terre.

Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan.

Apparatet må tilkoples jordet stikkontakt.

Apparaten skall anslutas till jordat uttag.

Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord.

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Additional Resources for DMX512

For more information on installing DMX512 control systems, the following publication is available for purchase from the United States Institute for Theatre Technology (USITT), "Recommended Practice for DMX512: A Guide for Users and Installers, 2nd edition" (ISBN: 9780955703522). USITT Contact Information:

> **USITT**
> **315 South Crouse Avenue, Suite 200**
> **Syracuse, NY 13210-1844**
> **Phone: 1.800.938.7488 or 1.315.463.6463**
> **www.usitt.org**

Philips Strand Lighting Limited Two-Year Warranty

Philips Strand Lighting offers a two-year limited warranty of its luminaires against defects in materials or workmanship from the date of delivery. A copy of Philips Strand Lighting two-year limited warranty containing specific terms and conditions can be obtained by contacting your local Philips Strand Lighting office.

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PREFACE

1. About this Guide

The document provides experienced users with the necessary information to get up and running very quickly.

Refer to the on-line user manual for complete information regarding all console operations. The manual can be downloaded at www.strandlighting.com. Go directly to the NEO Lighting Control Console product page and download the product manual or other product information.

2. About the NEO Lighting Control Console

The introduction of the NEO lighting control console marks a new chapter in the evolution of control. This console allows the ability to seize light; to grab, move, change position, color and motivate the lighting design simply and effectively. The NEO lighting control console is the closest that a designer can get to actually touching the light; encompassing the dreams and aspirations of both professionals and amateurs alike. The NEO lighting control console starts with the inclusion of many timesaving features, allowing the user to program faster and more accurately.

Icons and Shutter controls are represented graphically on the display, saving time and presenting meaningful data to the operator. Floating Windows allow the operator to configure their views their way, making it easier to find information. Effects are revolutionized, with "Time Line" features, allowing drag and drop to create that perfectly timed sequence.

The show is even secured on a "Mission Critical" grade SQL server, ensuring no data loss in those critical moments. Boot time is massively reduced with high speed solid state disk drives, making the NEO lighting control console robust for everyday and touring use.

With individually controlled back lit keys, motorized faders, user security system, pixel mapping and media playback: we think you will find the NEO lighting control console a worthy successor to a proud history of iconic consoles that have had the honor of bearing the Strand Lighting and now Philips Strand Lighting name.

3. Included Items

Each NEO Lighting Control Console includes the following items:

• NEO Lighting control console (model 91001)

• Console dust cover

• IEC cables (1 each - US, Europe, Asia)

• Console lights (2 each)

• USB key with console documentation

• NEO Lighting Control Console SetUp & Install Guide *(this document)*

Note: Monitors, cables and other accessories are not included and are sold separately. For available accessories, please contact you local Authorized Strand Lighting Dealer. A list of Authorized Dealers is located on the Strand Lighting web site at www.strandlighting.com.

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4. NEO Lighting Control Console Accessories

DMX512/Ethernet Cables

Part Number	Description
95090	DMX512 Control Cable 25' (A5F to A5M)
96456	Ethernet cable 10' 10/100BaseT (RJ-45)
96459	Ethernet cable 25' 10/100BaseT (RJ-45)

Console Accessories

Part Number	Description
91001-DC	Replacement Dust Cover
91002	One NEO Console Universe of DMX (512 Channels)* *(Note: *Up to 100 can be ordered on one console.)*
91021	21-inch Touch Screen Monitor (Multi-Touch)
91022	23-inch Touch Screen Monitor (Multi-Touch)
66219	66219 Additional / Replacement Console Light

5. NEO Lighting Control Console Specifications

Electrical

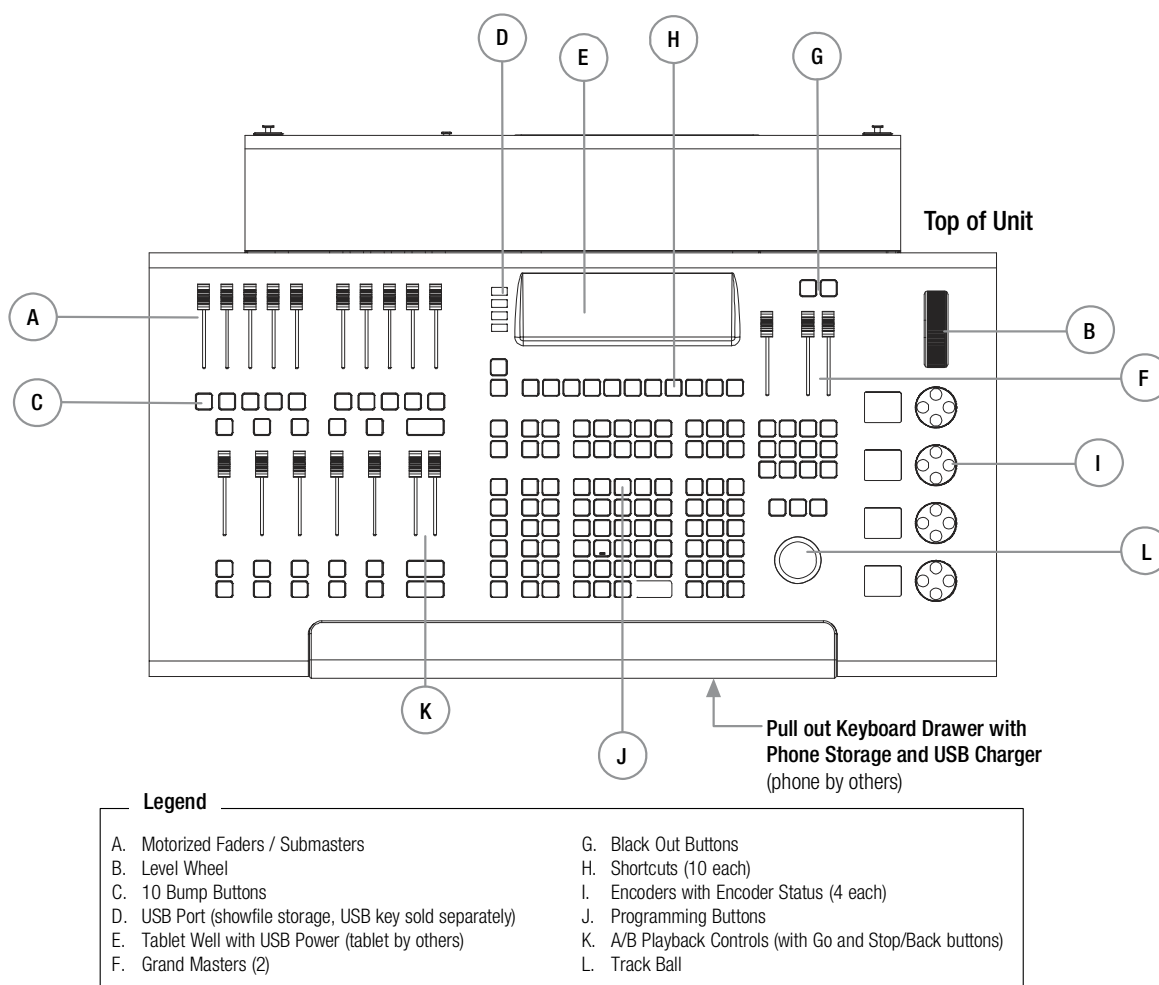|	
Supply Voltage:	100-240VAC
Power Consumption:	8 Amps (max. - depending on supply voltage)
Approvals:	cETLus, CE, C-Tick

Mechanical

Construction:	High Density and Impact Resistant Aluminum and Plastics
Operating Temperature:	0 to 40 Degrees C ambient (32 to 104 Degrees F)
Humidity:	0% - 95% non-condensing
Storage Temperature:	0 to 35 Degree C (32 to 95 Degrees F)
Weight:	37.0 lbs (16.8 kgs) - Console Only (no accessories)
Protocols / Connectivity:	Shownet
	E1.31 (Streaming ACN)
	Artnet
	DMX512
	KiNet (Philips Color Kinetics Control Protocol)
	Pathway
	RDM

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OVERVIEW

1. Console Layout

Figure 1 shows the features and controls of the NEO Lighting Control Console. Refer to the documentation supplied on the console USB Key or on-line manual for additional information and operation.

Legend

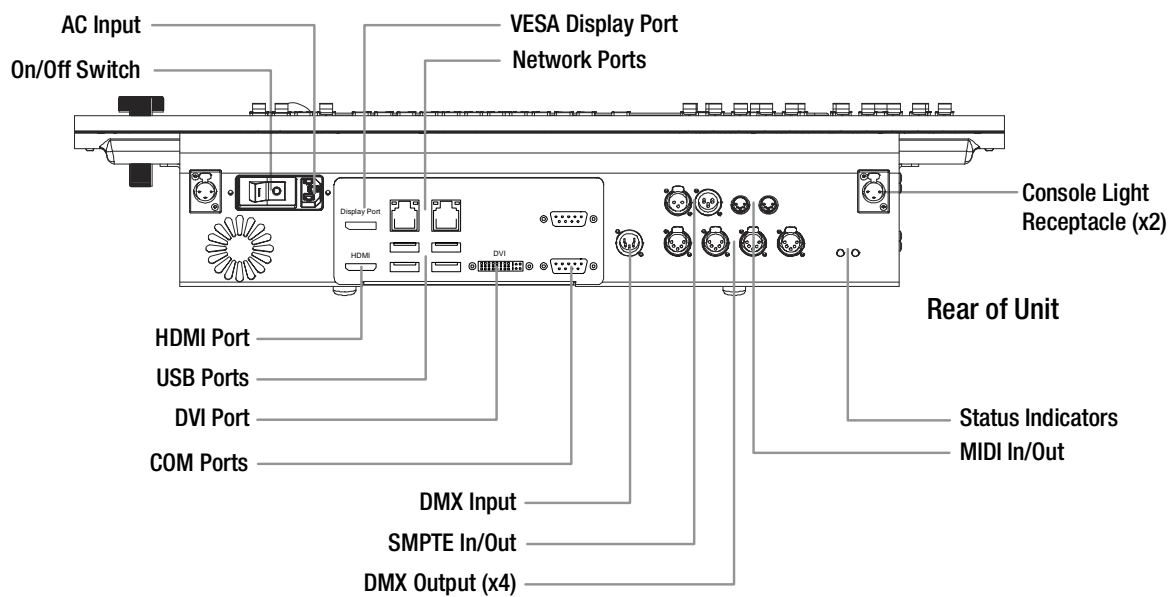|	
A. Motorized Faders / Submasters	G. Black Out Buttons
B. Level Wheel	H. Shortcuts (10 each)
C. 10 Bump Buttons	I. Encoders with Encoder Status (4 each)
D. USB Port (showfile storage, USB key sold separately)	J. Programming Buttons
E. Tablet Well with USB Power (tablet by others)	K. A/B Playback Controls (with Go and Stop/Back buttons)
F. Grand Masters (2)	L. Track Ball

Figure 1: NEO Lighting Control Console Control Features

2. Connections

Figure 2 shows the features and controls of the NEO Lighting Control Console. Refer to the documentation supplied on the console USB Key or on-line manual for additional information and operation.
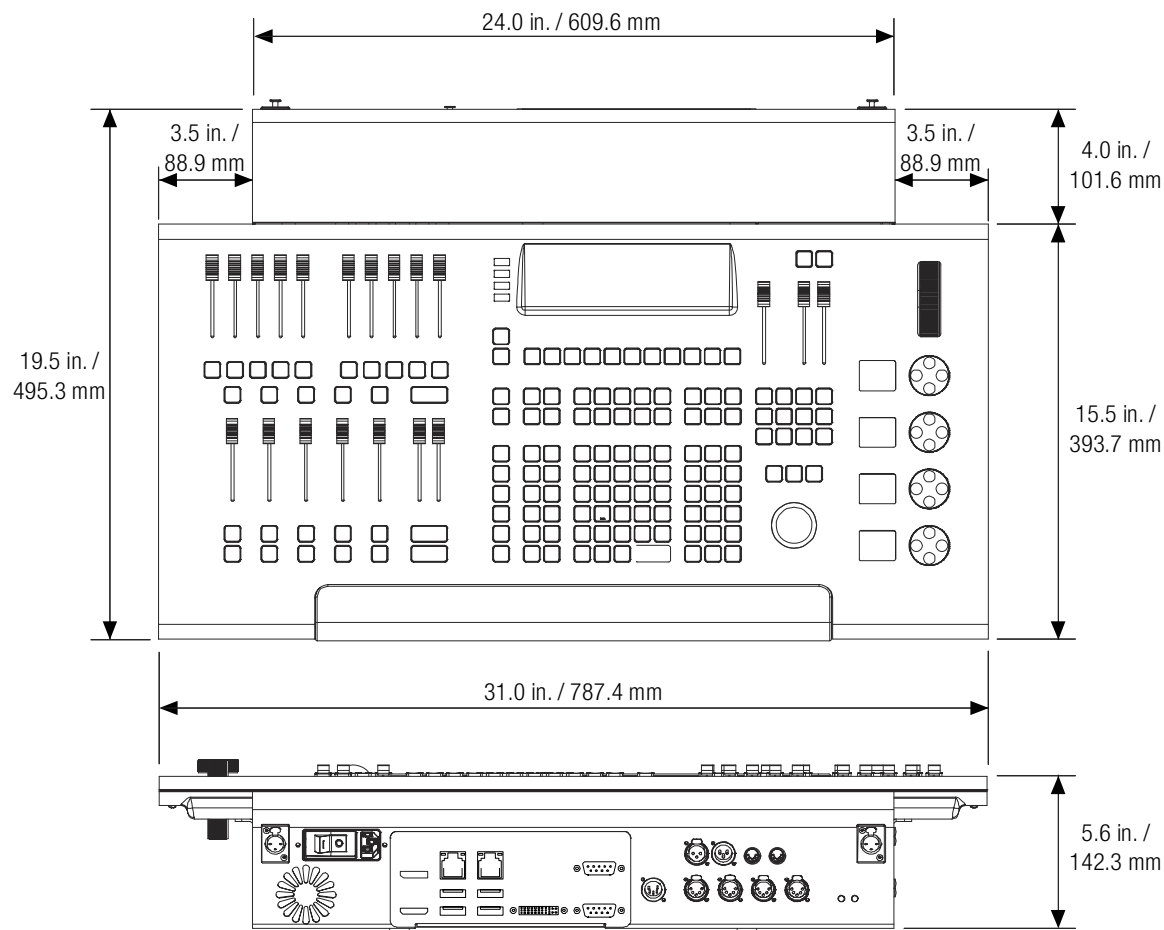

Figure 2: NEO Lighting Control Console Connections

Use only the supplied AC input cables with unit. If the supplied AC input cable is ever damaged, you must replace it with an approved replacement. For assistance, please contact an Authorized Strand Lighting Dealer or Service Center. Authorized Dealers and Service Centers are found on the Strand Lighting web site at www.strandlighting.com.

3. Console Dimensions

Figure 3 shows the overall dimensions of the NEO Lighting Control Console.

Figure 3: NEO Lighting Control Console Dimensions

For additional information and specifications for the NEO Lighting Control Console, contact your local Authorized Strand Lighting Dealer or visit the NEO Lighting Control Console product page on the Strand Lighting web site at www.strandlighting.com.

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GETTING STARTED

1. Unpack Console

Unpack your NEO Lighting Control Console from its shipping box and insure you have all included items. A list of included items is found in "Included Items" on page 4 of this guide. If you are missing any components, please contact your local Authorized Strand Lighting Dealer. Authorized Dealers are found on the Strand Lighting web site at www.strandlighting.com.

2. Site Requirement

The NEO Lighting Control Console requires a sturdy, flat surface for installation. The surface should be able to support the weight of the console and should provide suitable ventilation. Also, the site should be clean (i.e. absent of any construction dust or debris) and dry. Before setting up, ensure that the installation site meets these requirements. For operational and space requirements, refer to "NEO Lighting Control Console Specifications" on page 5 and "Console Dimensions" on page 8 for more information.

The console must be installed and operate in an environment that is not exposed to moisture, high humidity or direct sunlight.

3. Connecting Power

If applicable, connect monitor(s) before connecting power.

To connect the power supply:

Step 1. Make sure unit's power switch is set to "Off"

Step 2. Connect AC input cable to AC Input connection on console (refer to **Figure 2 on page 7**).

Step 3. Connect AC input cable to AC supply source.

Step 4. Turn on console at Console On / Off Switch.

Note: You must connect the console to the lighting system via DMX512 before it is capable of providing control. Refer to "Connections" on page 7 for DMX512 connection information.

4. Ready To Use

Once console is connected to power and lighting control system, it is ready for use.

• Power on the console.

• Once the software boots, you are ready to program.

• Channels can be adjusted by selecting the channels and applying a value. [1 THRU 10 FULL].

• A Cue can be recorded for timed playback. [RECORD CUE 1 ENTER] or a Submaster can be recorded for slider playback. [RECORD SUB 1 ENTER].

For more information, refer to the documentation supplied on the console USB Key or on-line manual for console operation, operational features, and programming.

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