# NEO X SERVER

Adding to our NEO family of products is the NEO X Server. This rack-mount device is designed to store and run pre-programmed shows using the same powerful NEO Lighting Control Console operating system software. The NEO X Server can sit on a LAN or operate independently for theatre, themed entertainment productions and more.

The touchscreen interface has multiple tabs to view, playback and configure the controller with unlimited cues, cue lists, groups, palettes, effects, and macros. Along with its ability to control timed events with sunrise/sunset, the NEO X Server also offers pixel mapping, magic sheet layouts, blind pre-visualization and much more.

- Runs Neo software – powerful, mature software platform designed for both theatrical and live event lighting.

- Advanced effects engine with chases, timeline and waveform effects, pixel mapping and more – get the perfect look in less time.

- Audio support with Line out, Mic in, SMPTE, and MIDI control – sync your lighting with the audio in your space.

- 100 DMX universes – create any size show without purchasing universe upgrades.

- Strong CITP visualizer protocol support – simplified integration with industry-leading Capture software and other visualization platforms using CITP.

- Connect third-party UPS over USB and display info on screen – view UPS info in your console while reducing shipping costs. Works with most major UPS manufacturers

- Support for ZerOS Wing for additional faders – add more faders when live busking

# Specifications

Due to continuous improvements and innovations, specifications may change without notice.

## Electrical

| | |
|---|---|
| Opperating Voltage | 100–240 V AC |
| Input Current | 3A @ 100V AC |
| Max Power Consumption | 291 W |
| Power Input | IEC Cable |
| | NEMA 1-15P (US), Type G (UK), CEE 7/7 (EU) included |

## Data

| | |
|---|---|
| Included license | 100x Universes (51,200 channels) |
| DMX Out | 4x Neutrik 5-pin XLR |
| DMX In | 1x Neutrik 5-pin XLR |
| Display Outputs | 4 x Display Port (4K UHD) |
| Gigabit Ethernet | 2 x RJ45 |
| Audio | 1x Line Out, 1 x Mic In via 1/8" mini jack |
| USB 3.0 | 2x USB Type A (on rear) |
| USB 2.0 | 4x USB Type-A (2 on front, 2 on rear) |
| MIDI | 2x MIDI 5-pin DIN |
| SMPTE | 2x Neutrik 3-pin XLR |

## Connectivity

| | |
|---|---|
| Protocols | DMX512 |
| | RDM |
| | Streaming ACN (E1.31) |
| | Art-Net |
| | CITP |
| | OSC (Bidirectional) |
| | MIDI Notes, Control Change, MSC, MTC, MC (Bidirectional) |
| | SMPTE (Bidirectional) |
| | Generic RS232 |
| | Contact Closures (unlimited via network and USB ) |
| | Vision.Net (Bidirectional) |
| | KiNet |
| | Shownet |
| | ChilliNet |
| | iCAN |
| | Pathport |
| | Enttec DMX USB |
| Files | USITT ASCII Showfiles |
| | GDTF |
| Other | Web Server and mySQL polling |
| | iOS & Android app (incl. Interface Builder and note taking) |
| | DMX Recorder and playback |
| | Tracking palettes (live values mapped to incoming data stream) |

## Certification and Safety

| | |
|---|---|
| Conformity | UL 62368-1, IEC 62368-1, CSA C22.2 NO 62368-1, FCC 47CFR 15, ICES-003, EN 55032, CISPR 32 |

## Capacity

| |
|---|
| 1,000,000 Cues |
| 10,000+ Cue lists |
| 10,000+ Submasters |
| 60,000+ Palettes |
| (Intensity, Position, Color, Beam, Edge, and Presets) |
| Custom Palette types |
| 10,000+ Groups |
| 10,000+ Effects |
| 10,000+ Macros |
| 10,000+ Snapshots |
| Customisable Curve Profiles |
| Customisable Color and Position Paths |
| 1,000,000 Cue Notes |
| Up to 10 remote sessions |
| 100 discrete audio (frequency) triggers |

## Software Key Features

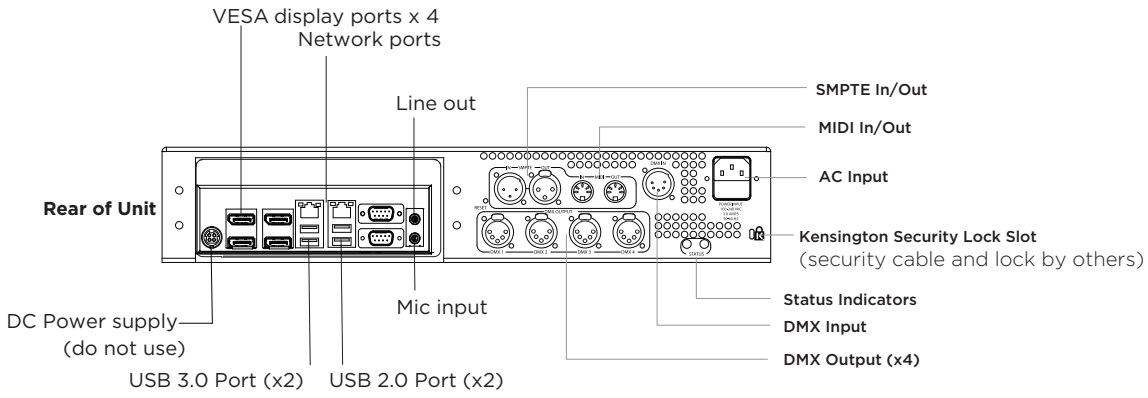| |
|---|
| Full tracking and optional non tracking |
| Tabbed Magic Sheets |
| 7 powerful effect (FX) engines |
| Pixel Mapping (static images, videos or live input) |
| Pixel animator |
| Visual timecode editor (for auto cue timings) |
| Video playback (incl. cross fading) |
| Internal timecode (from media) and timecode generator |
| AI Command Line prediction |
| Automatic text to speech playback of cue notes |
| Partitioning and multi user |
| Offline mobile patch tool |
| Dedicated task schedular |

## User Interfaces

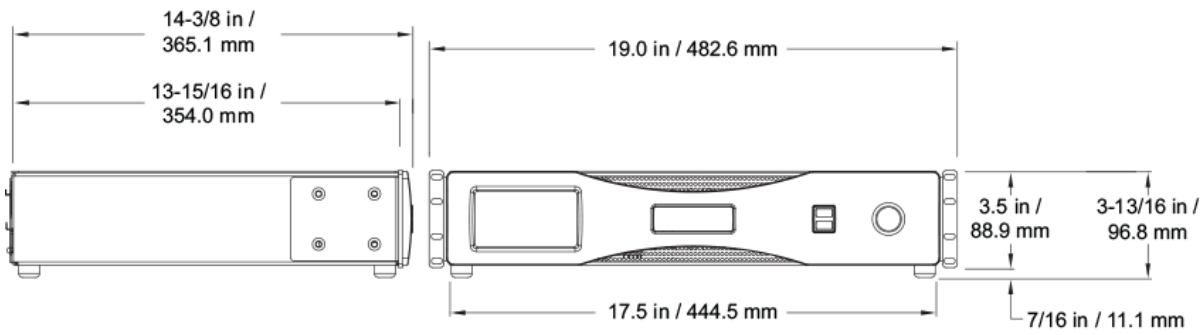| | |
|---|---|
| External touchscreens | 4x 4K UHD |
| Internal touchscreens | 1 x4" |

## Physical

| | |
|---|---|
| Color | Black & Dark Grey |
| Operating temperature | 0 - 40 °C (32 - 104 °F) |
| Storage Temperature | 0 - 35 °C (32 - 95 °F) |
| Humidity | 0 - 95% non-condensing |
| Construction | High density and impact resistant aluminum and plastics |
| Dimensions | 482.6 x 96.8 x 365.1 mm (19 x 3.81 x 14.34 in) |
| Weight | 4.56 kg (10.05 lb) |
| Cooling System | Force Air Cooled |
| Mounting | Rack-mounted , 2-post |
| Rack Unit | 3U |
| Ingress protection rating | IP20 |

# Connections

VESA display ports x 4
Network ports
Line out
SMPTE In/Out
MIDI In/Out
AC Input

**Rear of Unit**

Kensington Security Lock Slot
(security cable and lock by others)

DC Power supply
(do not use)
Mic input
Status Indicators
DMX Input
DMX Output (x4)

USB 3.0 Port (x2)    USB 2.0 Port (x2)

# Dimensions

14-3/8 in /
365.1 mm

13-15/16 in /
354.0 mm

19.0 in / 482.6 mm

3.5 in /
88.9 mm

3-13/16 in /
96.8 mm

17.5 in / 444.5 mm

7/16 in / 11.1 mm

# Product and Accessories

| Product type | Order Code |
|---|---|
| NEO X SERVER | 54101-000 |

**Vari-Lite**
https://www.vari-lite.com/global/products/x-server