OBSIDIAN
CONTROL SYSTEMS

The **NX1-16** is a small and feature packed dynamic lighting console in the ONYX platform. Using the unrestricted version of the ONYX software it offers the Complete ONYX Experience without compromises in an ultra-compact package.

ONYX is known for being a Dynamic lighting control system with command line operation. Command line-based systems work best when used with its custom designed hardware like the **NX1-16**. Designed to easily program a small lighting package for a special event, corporate events, House of worship stages or concerts. With ONYX you can program a small to large format show for live events or theatres. The ONYX system allows for personalized workspaces for faster programming and playbacks while the **NX1-16** has all the keys buttons and faders to quickly access everything that is needed to run a dynamic light show. With the NX1-16 and ONYX you also get **DYLOS**; a dynamic lighting operating system that uses 10GB of included color-coded media files to overlay over all your lighting fixtures linear parameters. This allows for an unlimited combination of quick programming effects that would otherwise take hours to program.

The NX1-16 is further expandable with the dedicated **NX K** keypad and the **NX P** motorized playback wing. A simple magnetic alignment system allows attachment on either side of the NX1-16. The keypad and playback wing are part of the ONYX platform and can be utilized with all other NX devices or ONYX on any PC system. Along with the **Netron EN12** to get access to the 12 other universes your NX1-16 provides

sACN plus the ONYX X-Net protocol the NX1-16 has ample connectivity and power for a wide variety of shows and applications. One additional touch monitor is supported for even more direct access at any time.

KEY FEATURES

ONYX 16 Lite License	4 Encoders / Master Go section
16 Universes + 2 DyLos Layers	4 5pin XLR outputs
10.1" Full HD multi touch screen	1 Virtual keypad control key
10 Motorized faders + 10 Hybrid keys	AnyDesk Remote Support

The NX1-16 includes a high-brightness 10.1" HD multi-touch screen; 4 assignable parameter encoders; 10 full motorized playbacks with four freely assignable buttons plus and extra playback and function key hybrid array. The 10 Hybrid Keys have 4 functions. 10 additional Playbacks / F1-F10 F-keys / (base) Fixture attribute & FX attribute keys. A dedicated Master Go section rounds out the efficient front panel design along with a 1 virtual keypad control key with finger icon that quickly swaps window to a keypad and fixture attribute window for quick programming.

Including the latest in industrial components the NX1-16 contains a powerful Intel processor, high speed NVMe SSD drive and 16GB of DDR5 RAM, allowing fast boot times, instant operation and the ability to process 16 Universes right inside the console. With four DMX ports, dual Gigabit network ports for up to 16 Universes of Art-Net, sACN plus the ONYX X-Net protocol the NX1-16 has ample connectivity and power for a wide variety of shows and applications. One additional touch monitor is supported for even more direct access at any time.

SPECIFICATIONS

HARDWARE
Industrial 10.1" TFT 16:9 touchscreen (1920x1200px)
Industrial motherboard with Intel CPU
Intel UHD graphics processor\
500 GB NVMe M.2 storage drive
16 GB DDR5 RAM
Windows IoT Embedded Operating System
Fully integrated industrial processing
OS installation by USB 3.0 storage device
Supports Windows USB touchscreens
Quiet thermal design using advanced copper heat pipe coolers

SURFACE
10x 60 mm motorized playback faders, each with 4x function-assignable buttons
10x Hybrid keys for playback, F-Keys, Fixture or FX Attributes
1 Virtual Keypad control Key
Master Go section with Go, Pause, Snap and Release
4x digital rotary encoders with push function and status LED for fixture parameter control
Playback Select button
1 x USB 2.0 for Storage and Peripherals
1 x USB 5V for lamp

REAR CONNECTIONS
5pin locking XLR: 4x DMX / RDM Universe In/Out
External Display: 1x HDMI external touch display
Network: 2x Gigabit RJ45 Ethernet for (Art-Net, sACN, ONYX X-Net, Onyx Remote, CITP, NDI, OSC, Telnet)
Storage and Peripherals: 2x USB 3.2, 2x USB 2.0
Audio Out: 1 x 3.5mm Jack
Mic In: 1x 3.5mm Jack LTC TimeCode
IP65 Locking Power In

PHYSICAL
Length: 298.5 mm (11.75 in.)
Width: 636 mm (25 in.)
Height: 71 mm (2.8 in.)
Weight: 8.1kg (17.8 lbs.)

ELECTRICAL
100-240V 50/60 Hz, 104W

INCLUDED ITEMS
LED USB desk lamp
Dust Cover
USB 3.0 recovery drive
IP65 Locking power cable

NX1-16

ORDERING

SKU (US)	SKU (EU)	ITEM
NX1016	1330000105	NX1 16
NXK601	1330000075	NX K
NXP122	1330000076	NX P
NRE001	1330000066	EN12

0.2in. [4.6mm]

25.0in. [636.0mm]

11.8in. [298.5mm]

11.9in. [301.1mm]

2.9in. [72.4mm]

2.8in. [70.6mm]