



EtherDMX Node Configuration Options

Overview:

NETRON (pronounced: NET-tron) devices offer 3 different configuration options. Each configuration option may have its unique feature set for device management. Review the chart on [Page 3](#) to quickly see which devices offer the desired features.

NETRON Presets:

NETRON EtherDMX nodes feature a set of selectable presets that create a quick starting point IP address, protocol, and port configuration.

OLED Display:

Many models of NETRON EtherDMX nodes offer an OLED Display to configure the device settings directly from the unit. This is extremely helpful in scenarios where there may only be a couple of devices and there is a need to quickly access a few settings. The onboard menu is controlled with a rotary push encoder and return button to efficiently navigate the menu options.

NOTE: On EtherDMX nodes that do not have an OLED Display, the default IP Address is: **2.0.0.1**

Should a device need to be reset to factory default settings, it will return to the 2.0.0.1 IP address with a subnet of 255.0.0.0.

View and Test:

Unique to working with the OLED display is the **View and Test** feature in NETRON EtherDMX nodes. Use this feature to view incoming and outgoing Live DMX values. This is a very useful tool to troubleshoot and test what data the console is sending to the fixtures or if anything is being sent at all. View and Test also allows the node to send values to troubleshoot fixtures in the field without a console.

NOTE: This feature is currently only found on units that feature an OLED Display.

NETRON Central Utility (CLU): Available for Windows PC only

The NETRON Central Utility, also known as CLU, is available for download via the link below:

- [NETRON Central Utility Download](#)

CLU is a powerful tool for managing and configuring larger, more complex systems with multiple EtherDMX nodes throughout the space. A user can quickly configure the nodes, record/playback cues, export backup files, update firmware, and more all from within the NETRON Central Utility software.

Instant Scanning:

Unique to CLU is the instant scanning feature. Once CLU opens, it immediately starts scanning for devices connected on the network. Regardless which IP range or subnet mask the unit is set to, it will find and populate a list in CLU to easily locate and manage the desired EtherDMX node or network switch.

NOTE: Although NETRON devices support RDM, CLU is not currently an RDM fixture address tool. Its primary function is to find and configure NETRON devices.



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Web Browser: Available for Mac or Windows PC

With a computer (Windows or Mac) connected to the network, a web browser may be used to configure individual devices. Simply open a web browser (Obsidian Control Systems recommends using Google Chrome) and navigate to the IP Address of the device to configure.

NOTE: Safari and Firefox are **not** supported.

Cue Grid:

Unique to the web browser is the **Cue Grid** playback window. The Cue Grid automatically populates with saved cues. For convenience, the user can save a web browser link as a desktop icon to quickly access a page of playback buttons for easy recall of the stored cues.

IP Range Reference Chart:

IP Range	Subnet Mask	Details
2.x.x.x	255.0.0.0	This IP range is the default for all NETRON products. 2.0.0.0 - 2.255.255.255 (Associated with Art-Net Protocol)
10.x.x.x	255.0.0.0	10.0.0.0 - 10.255.255.255 (IP range reserved for private use)
172.x.x.x	255.0.0.0	172.16.0.0 - 172.31.255.255 (IP range reserved for private use)
192.x.x.x	255.0.0.0	192.168.0.0 - 192.168.255.255 (IP range reserved for private use)
DHCP	Assigned via DHCP Server	When connected to a DHCP server, the NETRON device will automatically receive an IP address
169.x.x.x	255.0.0.0	A 169.x.x.x IP address indicates that a device is using Automatic Private IP Addressing (APIPA). This happens when a device configured to obtain an IP address automatically (via DHCP) cannot reach a DHCP server on the network. Instead of remaining without an IP address, the device assigns itself a 169.254.x.x address to allow basic communication within the local network.



EtherDMX Node Configuration Comparison Table

	OLED Display	Web Browser	NETRON Central Utility (CLU)
EP1	●	●	●
EP1D		●	●
EP2	●	●	●
EP4		●	●
EN4	●	●	●
EN6D	●	●	●
EN6 IP	●	●	●
RDM10	●	●	●
EN12	●	●	●
EN12i	●	●	●
DA2410V	●	●	●