Luminex
Lighting Control Equipment

# Ethernet - DMX2 MkII Range

*User Guide - V4.x.x*

wyg enabled

Ethernet - DMX2 MkII Range User Guide - V4.x.x
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# Warranty information

## *Limited warranty*

Unless otherwise stated, your product is covered by a two (2) years parts and labor limited warranty. It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and dealer or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

## *Returning under warranty*

Any Product unit or parts returned to Luminex LCE must be packaged in a suitable manner to ensure the protection of such Product unit or parts, and such package shall be clearly and prominently marked to indicate that the package contains returned Product units or parts. Accompany all returned Product units or parts with a written explanation of the alleged problem or malfunction.

## *Freight*

All shipping will be paid by the purchaser. Items under warranty shall have return shipping paid by the manufacturer only in the European Union. Under no circumstances will freight collect shipments be accepted. Prepaid shipping does not include rush expediting such as air freight. Air freight can be sent customer collect in the European Union.

Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts.

# General

## *Packaging*

- **Ethernet-DMX2 Rack MkII**

- 1 x Ethernet – DMX2 MkII Rack
- 1 x User guide

- **Ethernet-DMX2 Truss MkII**

- 1 x Ethernet – DMX2 Truss MkII
- 1 x Powercon male connector
- 1 x User Guide

## *Description*

The Ethernet - DMX2 MkII is an Ethernet node that serves 2 x DMX512 outlets, compatible with the following protocols: DMX512, DMX512-A, RDM (ANSI E1.20), sACN (ANSI E1.31) and Art-Net™.

All 2 outlets are conform to DMX512-A and can be used as input or output. The Ethernet link is a 100BaseT connection on a Neutrik RJ45 Ethercon connector, located on the front end.

All configuration can be done over Ethernet through a built in website.

This all comes in a 19'' unit high metal housing for the Ethernet-DMX2 MkII). The Ethernet-DMX2 Truss MkII comes in a rugged truss mountable metal housing with a M10 insert. This enclosure allows to use the node in a truss or as a table top device. The device provides also four punched holes at the rear, allowing the user to fix the converter on a wall. Please remove the 4 plastic caps to get access to these holes.

## *Specification*

Model: Ethernet–DMX2 MkII Rack – Ethernet-DMX2 Truss MkII
Manufacturer: LUMINEX Lighting Control Equipment

- **Dimensions**

Ethernet-DMX2 MkII

482 x 153.5 x 44 (mm)
19” x 6,04” x 1,73”
Package: 520 x 235 x 50 (mm)

Ethernet-DMX2 Truss MkII

190 x 119.5 x 66 (mm)
7,48” x 4,7” x 2,6”
Package: 305 x 215 x 110 (mm)

- **Weight**

  Ethernet-DMX2 MkII: 2 Kg
  Ethernet-DMX2 Truss MkII: 1.6Kg

- **Electrical**

  Voltages: 90 – 260 VAC
  Frequency: 47 – 63 Hz
  Rated power: Rack version : 20 W, Truss version: 4 W
  Fuse :
  Rack version :125V – 250V, 1A, Slow blow only (5mm x 20mm)
  Truss version : 125V – 250V, 3.15A, Slow blow only (5mm x 20mm)
  Power Over Ethernet supply as option, reference: LU 01 00046

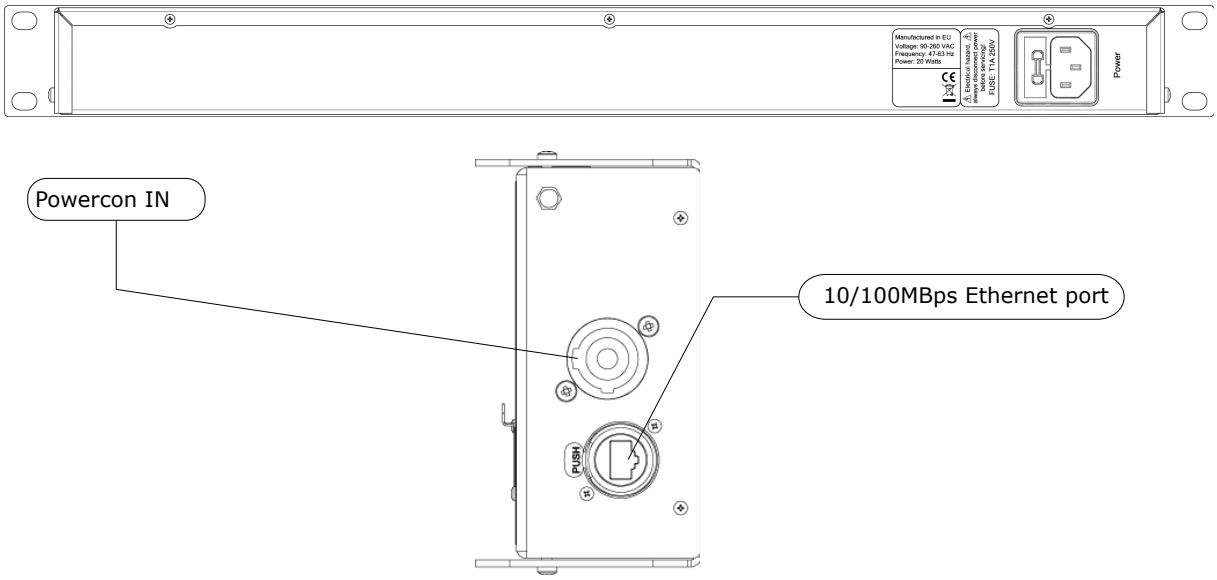
- **Connectors**

  1 x shielded Neutrik RJ45 Ethercon connector on the front
  1 x shielded Neutrik RJ45 Ethercon connector on the side (truss version only)
  2 x shielded Neutrik gold plated 5 pin XLR (female)
  2 x optic and galvanic isolated DMX port
  1 x IEC inlet with fuse holder (rack version only)
  1 x Neutrik Powercon inlet (truss version only)

- **Environmental**

  Operating temperature: 0 ~ 60°C (32 ~ 140°F)
  Storage temperature : -10 ~ 70°C (14 ~ 158°F)
  Humidity: 5-95% non condensing

## *Rear Panel – Side Panel*




- **Mains**

The device operates with an AC voltage between 90V and 260V within a frequency range of 47Hz and 63Hz.

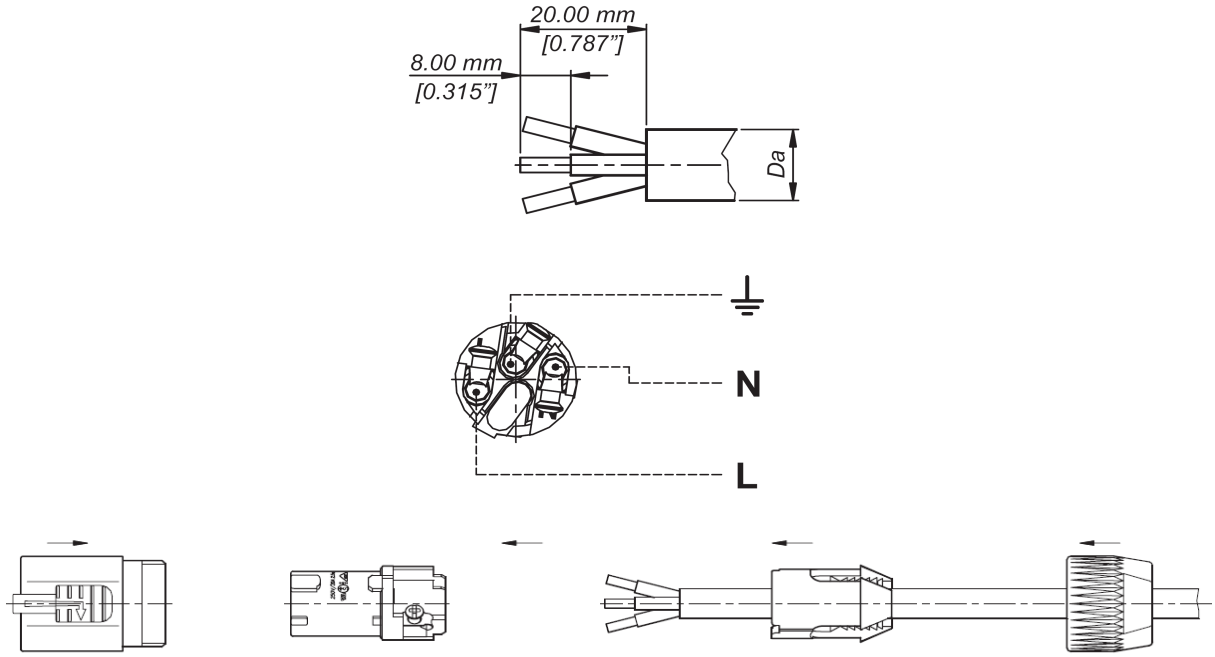
**Ethernet-DMX2 Rack MkII**

An IEC socket is located at the rear of the unit. Please use an IEC plug compliant cable to feed power to the unit.
Luminex recommend the use of a power cable, fitted with an IEC-Lock™ plug. The IEC-Lock™ system offers a reliable way to connect the power cable to the unit. The equipment must be earthed !

**Ethernet-DMX2 MkII Truss**

The device operates with an AC voltage between 90V and 260V within a frequency range of 47Hz and 63Hz.

A Neutrik PowerCon IN connector can be connected to the device. Please use an authorized plug and connect the cores in the mains lead in accordance with the following scheme:



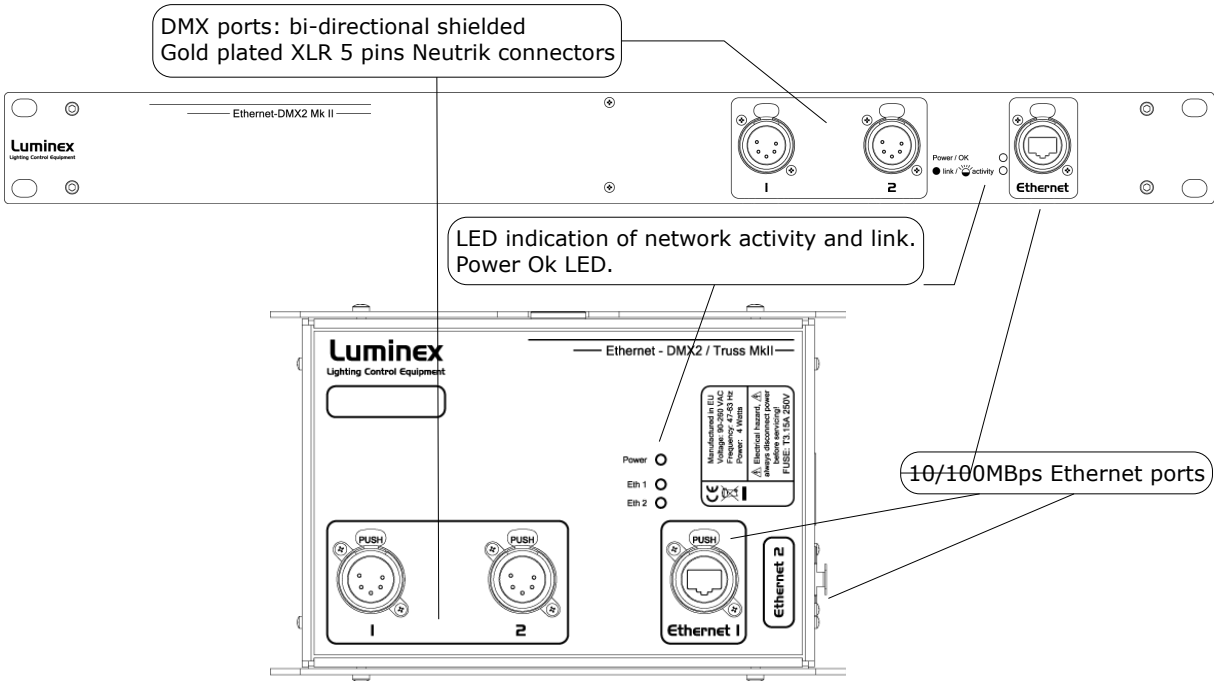

**Green / Yellow:** Earth
**Blue:** Neutral
**Brown:** Live

***!!! This equipment must be earthed !!!***

- **Ethernet**

1 Neutrik RJ45 Ethercon is provided as Ethernet link. This Ethernet port can be used to power up the unit through PoE (Power over Ethernet). You'll need to install the optional Luminex PoE module to power up the unit (LU 01 00046).

## *Front panel*




The front panel interface is provided with 1 Ethernet port, 2 DMX outlets and 2 indication LEDs. Standard DMX port routing and advanced features like merging, backup, etc has to be configured from the built in web interface .

- **Ethernet port**

1 Neutrik RJ45 Ethercon is provided as Ethernet link.

- **DMX input / output**

2 shielded Neutrik 5 pin gold plated female connectors are provided as outlet (input or output). All DMX outlets are optic and galvanic isolated.

| ***Connector*** | ***Function*** |
|---|---|
| Pin 1 | Signal common (0 volt) |
| Pin 2 | Data complement (-) |
| Pin 3 | Data true (+) |
| Pin 4 | Not used |
| Pin 5 | Not used |

All outlets are compliant with the DMX512-A timing specification and are terminated and rebiased.

### *Status indication*

2 LEDs are provided to indicate Network link and activity, and power Ok.

- **Unlock the node**

When the node is password protected through the Web interface, it will automatically lock the access to the Web interface. To unlock the node, enter the password in the password field (login = admin).

- **Reset the node (Out of jail)**

This useful function makes it possible to bring the node in a factory default.

1. Connect your Ethernet-DMX2 MkII to a computer with a Cat.5 or higher cable (straight or cross cable).
2. Launch LumiNet Monitor V.2 on the computer
3. Follow "reset a node" procedure on LumiNet manual
4. The node is now in its own factory default IP address (see sticker on the back or at the front of the unit)

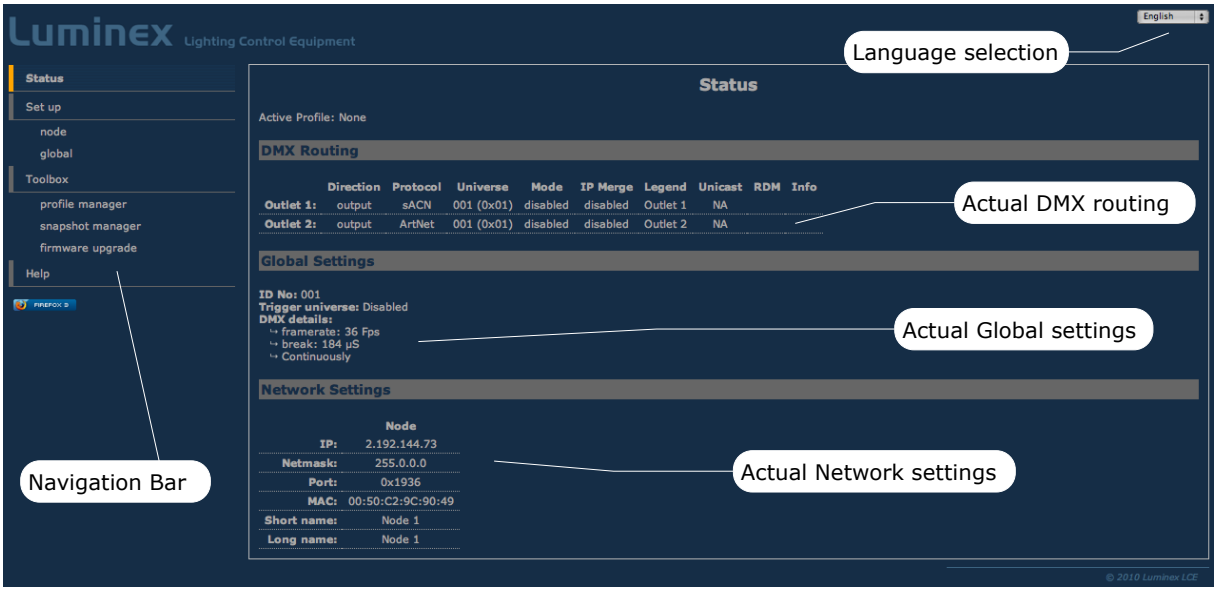
## *Status*

The complete device can be configured from an intuitive web interface. You just have to browse to the IP address of the unit. If you do not know the IP address anymore, you can discover it by running Luminet Monitor V2 (free downloadable tool), which shows all Luminex nodes on the network. Ethernet-DMX2 MkII default IP address is printed on the back of the unit.

Make sure that the computer, you use to browse, is setup in the correct network address range (IP 2.x.x.x or 10.x.x.x and subnet 255.0.0.0).

When you're not using a complete network setup (Ethernet switches, hubs, routers, WLAN, ...), you can also use either a cross Ethernet cable or straight Ethernet cable to directly connect to unit to your computer.

After all connections and setup on the computer are completed, open your favorite web browser (we recommend Firefox) and enter the IP address you want to reach in the URL field : Http://2.x.x.x




You'll end up at the status page of the device. This page has a complete overview of the device settings.

The overview shows the actual DMX and network setting / routing of the complete device.

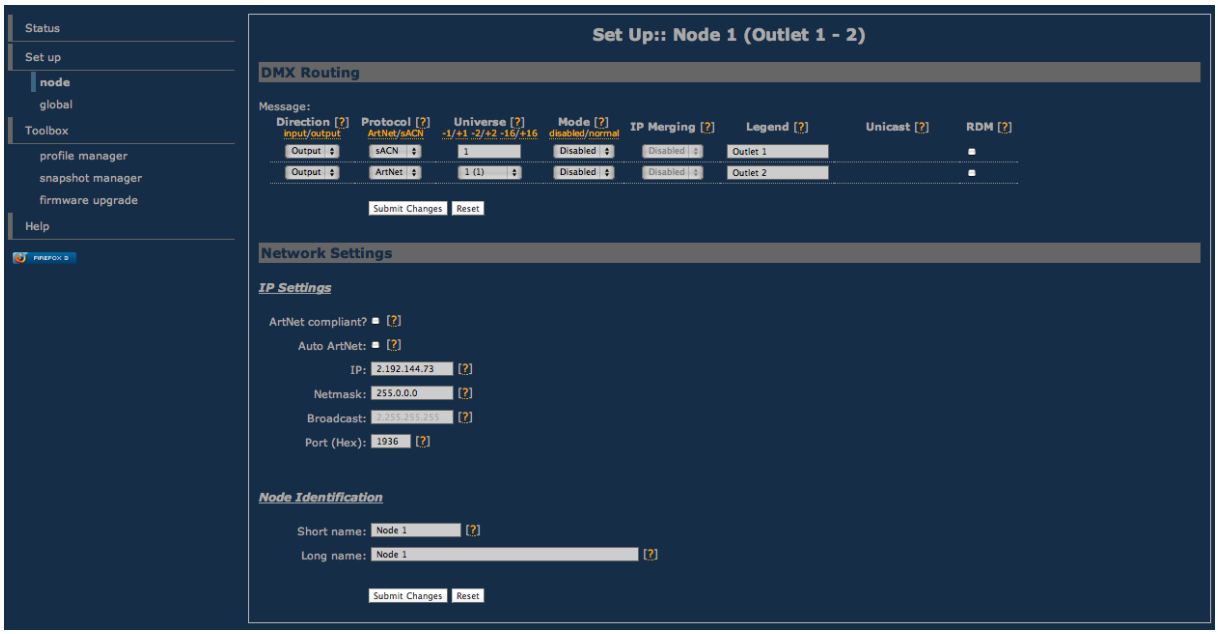
## *Setup*

Choose one of the items in the sub menu to setup the device.

Once in a setup page, help is available on almost every field title. Just click on the question mark next to the topic. A pop up frame will display the overall information of each term displayed on the Web interface.

- **Node**

To setup the node click on the appropriate sub menu item in the Setup navigation bar (Node).




This is the main settings page. You can setup every single outlet of the node, as input or output. Select the outlet's direction, mode, protocol and universe, enable/disable RDM traffic. Here you can also change the IP address, Netmask, port and the Art-Net™ short and long name indication.

- **DMX Routing**

To better understand the use of all features, let's define each category of this menu:

**Direction** : Set the direction you need to the outlet, either Input or Output. Depending your selection, some features won't be available in the other categories.

**Protocol** : Determines the network protocol used for the outlet (Art-Net™ or streaming over ACN (sACN E1.31))

**Universe** :
*Art-Net*: Select one of 256 possible universes available in the Art-Net™ protocol. This is used for addressing DMX lines on Art-Net™. The hexadecimal value of the universe is in between brackets. The first digit equals to the Art-Net™ subnet and the second to the Art-Net™ universe within that subnet.

*sACN* : Select the sACN universe to use for addressing DMX lines on sACN. You can enter a numeric value between 1 and 63999. In case of an input, the priority of the universe can be set by adding a colon and the priority value. The priority level can go from 0 to 200. A higher level has a higher priority. (ex: 678:100 means universe 678 at priority level 100)

**Mode** : According to the direction you set on the outlet, this menu offers several mode :

Input : Disabled : Outlet is disabled, better for node performance if not used.

Normal : Outlet set as normal input

Merge : Allow to merge 2 DMX streams.

When outlet 1 is configured as a merged input, the next outlet (2) will be automatically set as input as well.

Output : Disabled : Outlet is disabled, better for node performance.

Zero : Send all channels with a zero value (for maintenance only)

Normal: Normal output.

**IP Merging** : This special feature allows you to merge 2 different DMX or Art-Net™ streams through the network. The merging policy will be mainly applied on the Output, except for IP backup.

**Legend** : Set a legend to the outlet, useful to remind yourself what's connected to that outlet.

**Unicast** : Art-Net™ is a broadcast protocol, which means that each packet sent from a single source will be received by all actives equipment on the network. Unicast provides you to cast your data to a selected IP address, resulting in a lower use of bandwidth.

**RDM** : Enable / disable RDM. Enabling RDM allows RDM traffic to be transported from/to outlet over the network and back. The nodes will act as an unmanaged proxy device. When set as output it is also possible to enable Adaptive Discovery (AD). AD will continuously check for new and disappeared RDM devices on the output.

All setting that are not applicable for the actual setting will be grayed out or marked as N/A (Not Applicable).

Once RDM is activated, you'll notice a cross in the status page. Click on this cross to see the list of discovered RDM devices (Illustration 1) attached to the node.

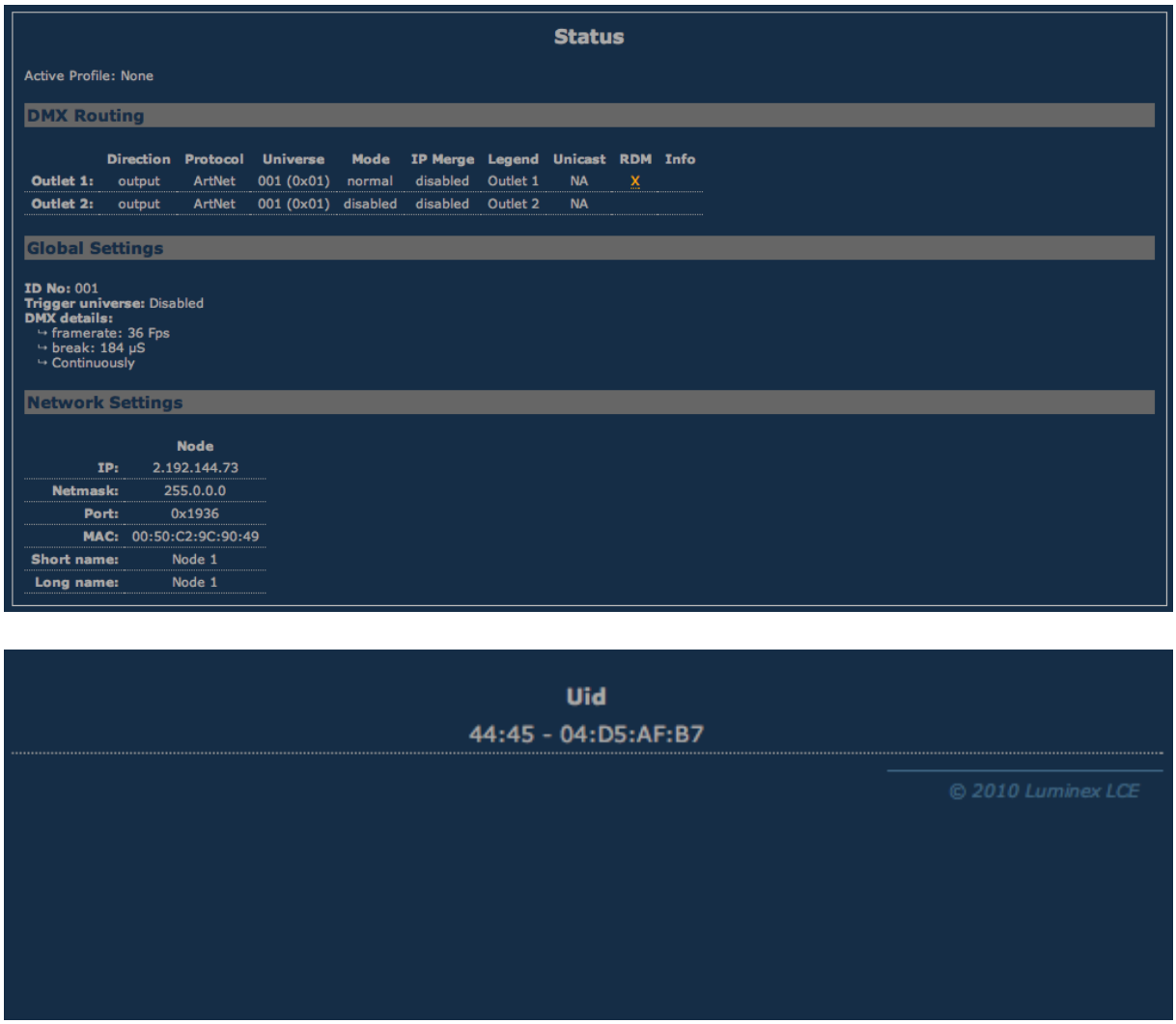



*Illustration 1: Discovered RDM device*

More option of RDM control and monitoring are offered with LumiNet Monitor V2 software. Visit our web site for more info.

- **Merging Policies :**

The Ethernet-DMX2 firmware offers enhanced merging policies that fits to all kind of setup, even the most complex one !
4 available merging policies can be applied on your DMX network, in 2 main setup categories :

Local merging : 2 different DMX streams are merged on the same physical device (Node). The merging policy will be mainly set on Inputs.

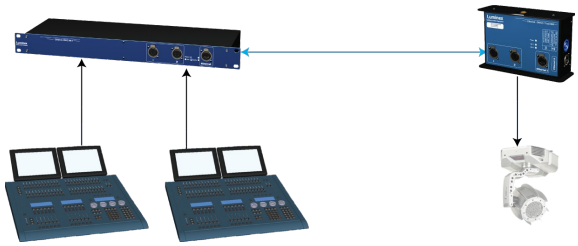


*Illustration 2: Local DMX merging*

IP Merging : This special feature allows you to merge 2 different Art-Net™ or sACN streams through the network. The merging policy will be mainly applied on the Output, except for IP backup.

Available policies :

- HTP : Highest Take Precedence; Commonly used to merge dimmer channels. Up to 4 Art-Net™ or sACN sources can be merged.
- LTP : Latest Take Precedence; Better suited when using moving lights. Up to 4 Art-Net™ or sACN sources can be merged.
- Backup : Can be used either on input or output. When used on input, this policy allows you to add a backup DMX console on the second input. When used on a custom output, the policy allows you to add a backup Art-Net™ or sACN source on the network.
- Custom : This is the most complete and efficient policy. This mode offers you to choose what policy to apply for each channel of each universe, and also to create a complete custom soft patch. By more, the merging policy can be remotely triggered by DMX. Up to 2 Art-Net™ or sACN sources can merged thanks to that policy.

The available policies differs if you use either inputs or outputs :

***Inputs (Local mode)***

| | ***Direction*** | ***Protocol*** | ***Universe*** | ***Mode*** |
|---|---|---|---|---|
| Outlet 1 | Input | Art-Net or sACN | 1(01) | Merge |
| Outlet 2 | Input | | Ch1 | HTP, LTP, Backup, Custom |

In this example, the selected mode is "**Merge**". The second outlet will automatically be set as a merged input. You will not be able to configure a universe address for the second outlet, as the merged result will end at the universe address of the first outlet (primary input). Instead of universe you will be able to set the starting DMX channel address (1-512). This indicates from which channel address the second input has to be merged in. This offset is only available when using **HTP** or **LTP** policies. Those rules will be applied on all channel of the universe.

If you choose "**Backup**", a small blue icon will appears on the left side of "Outlet 2" label; then click on it, a pop up frame appears :

*Illustration 3: DMX Input backup merging*

This menu lets you choose the backup time (from 400 to 9999ms). This time represents the delay from which the node will automatically switch to the backup outlet when invalid or no DMX is received anymore on the primary outlet.

Tick the box if you want the node to auto-recover as soon as valid data is available again on primary connector.

If you tick off the box, you will have to enable the trigger universe and select a recover channel (page 24).

If you choose "**Custom**" policy, a small blue icon will also appear on the left side of "Outlet 2" label; then click on it, a new pop up frame appears :

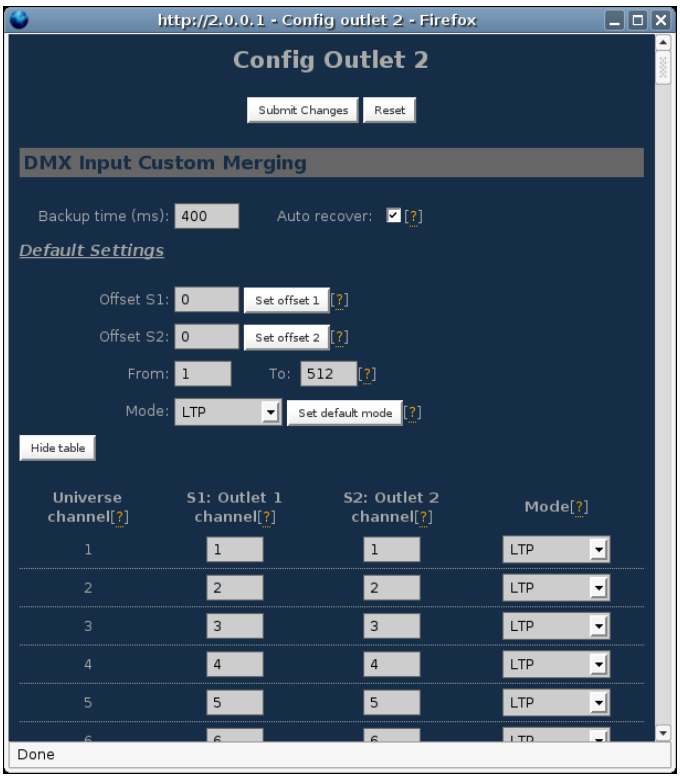



*Illustration 4: Custom DMX input merging*

Click on "**Show Table**" button to see the complete soft patch available for this outlet.

- **Offset S1 & S2** : Enter a value for the desired offset of the starting channel for outlets 1 or 2; example, for channels 1 to start on the third channel, enter 3.
- **From – To** : this range let you quickly set the policy you need on the channel range of your choice. example, if you need HTP policy on channels 23 to 145, enter 23 in the "**From**" field and "145" in the "**To**" field. Then select the HTP policy in the "**Mode**" drop down list, then press "**Set Default Mode**".
- Notice that following policies are available for each channel:

  Zero, HTP, LTP, S1 only (Source 1 only), S2 only (Source 2 only); S1 as Backup (Source 1 as backup), S2 as Backup (Source 2 as Backup).

The left column represent the resulting universe channel number streamed to the network. S1 column represents Source 1 channels and S2 column source 2 channels. It's thus easy to understand that you can create your own soft patch by entering the channels of your choice in one of theses column.

Once your patch is created, click submit to close the window, then click submit again on the node page to record your settings.

***Inputs (IP Merging)***

| | ***Direction*** | ***Protocol*** | ***Universe*** | ***Mode*** | ***IP Merging*** |
|---|---|---|---|---|---|
| Outlet 1 | Output | Art-Net or sACN | 1(01) | Normal | Disabled |
| Outlet 2 | Input | Art-Net or sACN | 1(01) | Normal | Backup |

This mode can be very useful in such an application.

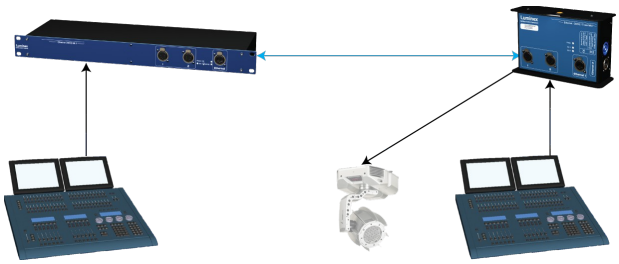


*Illustration 5: Inputs with IP Merging*

The right side lighting desk is used as a backup desk on stage. This means that the right side node will automatically switch to that outlet if no Art-Net™ or sACN packets are available on the selected universe (in that case universe 1). Select your backup time in the small pop up frame by clicking the left blue icon, then submit your changes.

***Outputs (IP Merging)***

| | ***Direction*** | ***Protocol*** | ***Universe*** | ***Mode*** | ***IP Merging*** |
|---|---|---|---|---|---|
| Outlet 1 | Output | | | Normal | HTP, LTP, Custom |
| Outlet 2 | Input | Art-Net or sACN | 1(01) | Disable | Disabled |

This mode can be very useful in the case of 2 control sources located in different places in the network wants to control the same DMX device in the same time.

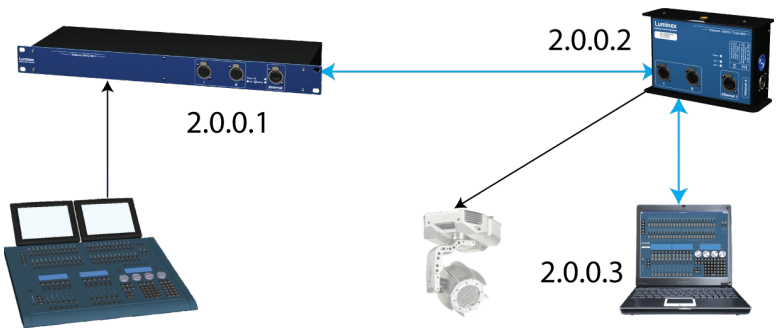



*Illustration 6: Output IP merging*

In this setup, the right lighting software (S2) is used in the same time as the left lighting desk (S1). Both streams are merged through the final output on the right node.

The IP Merging mode provides the following policies when an outlet is set as output:

- HTP, for all outlet channels. Up to 4 Art-Net™ or sACN sources can be merged.
- LTP, for all outlet channels. Up to 4 Art-Net™ sources can be merged.
- Custom, to create a complete soft patch, to set merging policy for every single channel by IP source and protocol, and to use the enhanced trigger system. Two Art-Net™ or sACN sources can be merged.

If you choose “Custom”, click on the blue icon left sided to the “Outlet” label. A pop up frame appears:

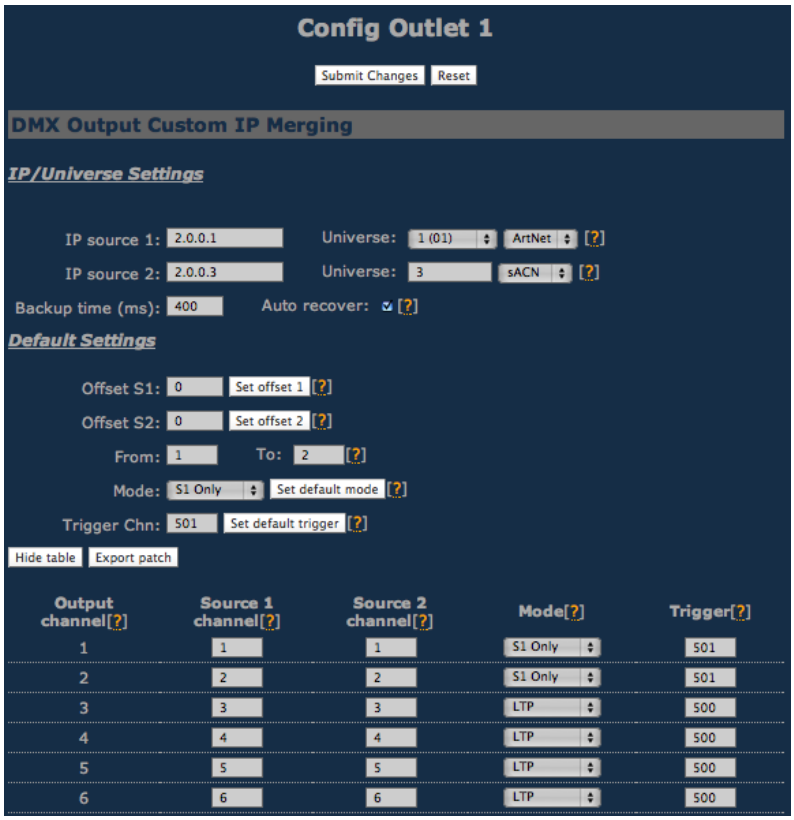



*Illustration 7: DMX Output custom IP merging*

You can find in this pop up frame similar features as when using the custom merging on outlets set as inputs (page 17).

The main difference is about the following points :

- **IP Source 1 & 2** : Here you can enter the 2 IP addresses assigned to your 2 control source. In case you don't know one of your source IP address, simply enter 0.0.0.0 in the address field.
- **Universe & protocol** : Here you can select the universes number and the protocol streamed by your control sources. This feature is very useful if the 2 sources don't use the same universe number or protocol.
- **Trigger channel**. This feature allows you to remotely change the merging policy of one or several dedicated channels through a single DMX value. From anywhere on the network, you can by example swap from a “LTP” merge to a “S2 only” policy simply by using a different DMX trigger channel value. Enter here the DMX channel you want to use to remotely takeover control of the merging rule. Once you've selected that channel, you'll need to reach the” Global” web page of the node to enable and select your Trigger universe. You'll also need to patch or assign a DMX trigger channel to your control source; here is the DMX chart of the Luminex DMX trigger channel :

| | |
|---|---|
| 0 - 7 | Do nothing |
| 8 - 15 | Zero out |
| 16 - 23 | HTP merge |
| 24 - 31 | LTP merge |
| 32 - 39 | Source 1 only |
| 40 - 47 | Source 2 only |
| 48 - 111 | Reserved |
| 112 - 119 | Source 1 as backup |
| 120 - 127 | Source 2 as backup |
| 128 - 255 | Do nothing |

**Note** :Never forget if you control the trigger channel from more than one source to press "Do nothing" once you've selected the desired value. Indeed, if you send 2 different values from 2 different sources for the trigger channel, the node won't stop swaping between those values, what results in a big slowing down of the node processing power.

### *Recover channel*

If you have set one of a node outlet in IP backup mode, the node will swap automatically to this outlet in case of DMX failure from the primary source. Once the primary source is back again available, the node will automatically swap back to that source if set in Auto-recover mode. We all know that it can be useful to decide when to swap back to the primary source (booting time of the desk + loading the right cue in case of desk failure). Tick off the auto-recover box in the pop up window if you decide to work in manual recover mode. Then you'll have to enable the trigger universe in the "Global" Web page and choose a recover channel. You now have the opportunity to choose to recover either each outlet one by one or all outlet in one shot.

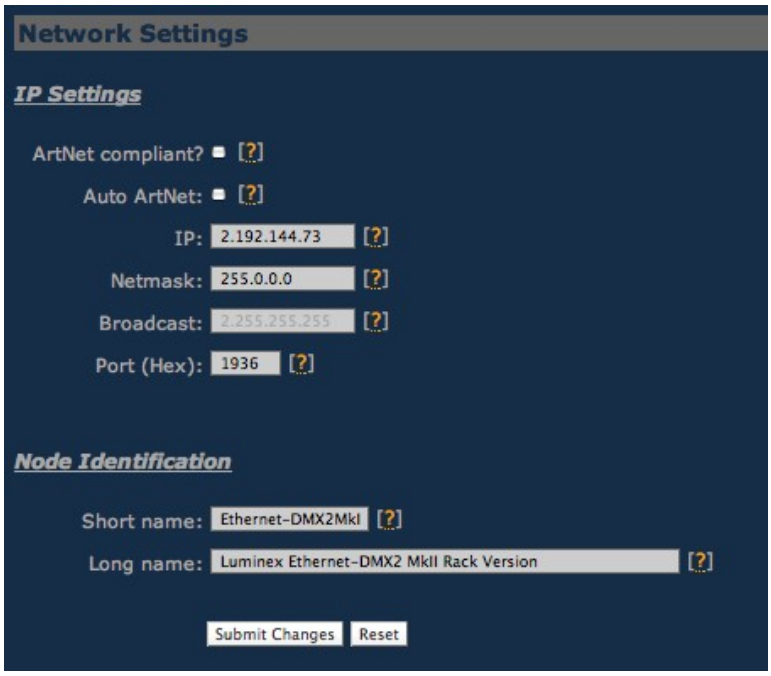
Here is the Luminex recover channel DMX chart :

| Value | Outputs | Merged Input pairs | Normal Inputs |
|---|---|---|---|
| 0 – 7 | Do nothing | Do Nothing | Do Nothing |
| 8 – 15 | Recover Outlet 1 | Recover IP backup | Recover IP backup |
| 16 – 23 | Recover Outlet 2 | Recover DMX Backup | Recover IP backup |
| 24 – 31 | Recover Outlet 3 | Recover IP backup | Recover IP backup |
| 32 – 39 | Recover Outlet 4 | Recover DMX Backup | Recover IP backup |
| 40 – 47 | Recover Outlet 5 | Recover IP backup | Recover IP backup |
| 48 – 55 | Recover Outlet 6 | Recover DMX Backup | Recover IP backup |
| 56 – 63 | Recover Outlet 7 | Recover IP backup | Recover IP backup |
| 64 – 71 | Recover Outlet 8 | Recover DMX Backup | Recover IP backup |
| 72 – 79 | Recover all outlets | Recover All Backup | Recover all backup |
| 80 – 255 | Do Nothing | Do Nothing | Do Nothing |

### *Patch files :*

All those soft patches can be recorded or loaded from or to the node by using "Load Patch" or "Export patch" buttons. Luminex node recognize .txt files. These are "TAB" separated files which can be edited using spreadsheet software (Excel, OO Calc,...)

### *Network settings*




### *IP Settings*

You can enter here the desired IP address and Netmask you want to use. If you're not confident with Art-Net™ IP setting, tick the "Art-Net™ compliant?" box for the node to warn you in case of mistake. Art-Net™ IP addresses usually looks like 2.x.x.x or 10.x.x.x.

You're not obliged to work with Art-Net™ IP addresses. If you wish to work with usual IT IP addresses as 192.168.x.x, there's no problem for you to set such address on the node. Please remember that your node will thus not be visible on the network from devices set with conventional Art-Net™ IP addresses (2.x.x.x or 10.x.x.x).

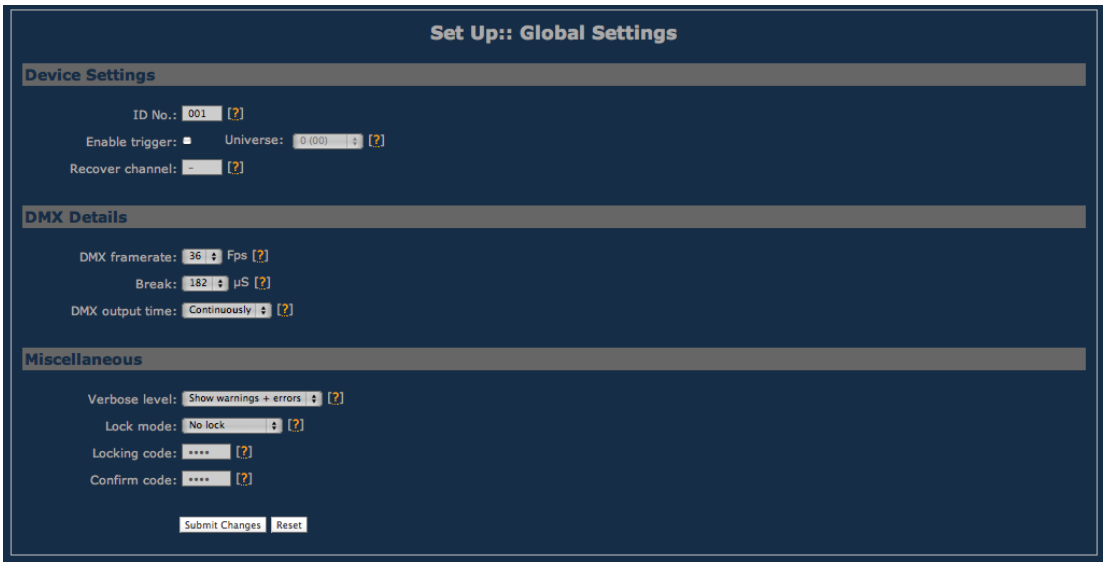
The Port field allows you to change the UDP port used on the network to transmit your UDP Art-Net™ packets. Luminex recommend no to change this value.

### ***Node identification*** :

Enter here a small and long name to easily identify your node on the network through a Web interface, Art-Net™ compliant softwares or Luminex LumiNet monitor.

- **Global**

Some global settings can be altered by clicking Global in the Setup sub menu.




Device Settings

Here you can change the device's ID number which is indicated on LumiNet monitor.

You can also enable the Trigger universe to remotely control your merging policy through any DMX source. The node will listen to the specified universe entered in the universe field.

You can set your Recover channel if you use the manual recovery mode (page 17, 22).

***DMX details***

The DMX frame rate setting for all outlets. This can be set from 20 to 40 frames per second. Break Time can be set from 176 to 352µs.

DMX Output time can be set to 1 – 10 minutes or continuously. This time sets how long an output remains outputting it's last DMX levels after no valid DMX packet came in for that particular universe on Art-Net™ or sACN.

***Miscellaneous***

This part is about security and warnings :

- **Lock Mode**: select the security level you want to be applied on your Ethernet-DMX2 MkII Web interface.

  Password protected mode will guide you to set a password into the "locking code" field. Once the node is locked, you'll have to enter the 4 digit password through the Web interface password field. Use "admin" in the login field.

## *Toolbox*

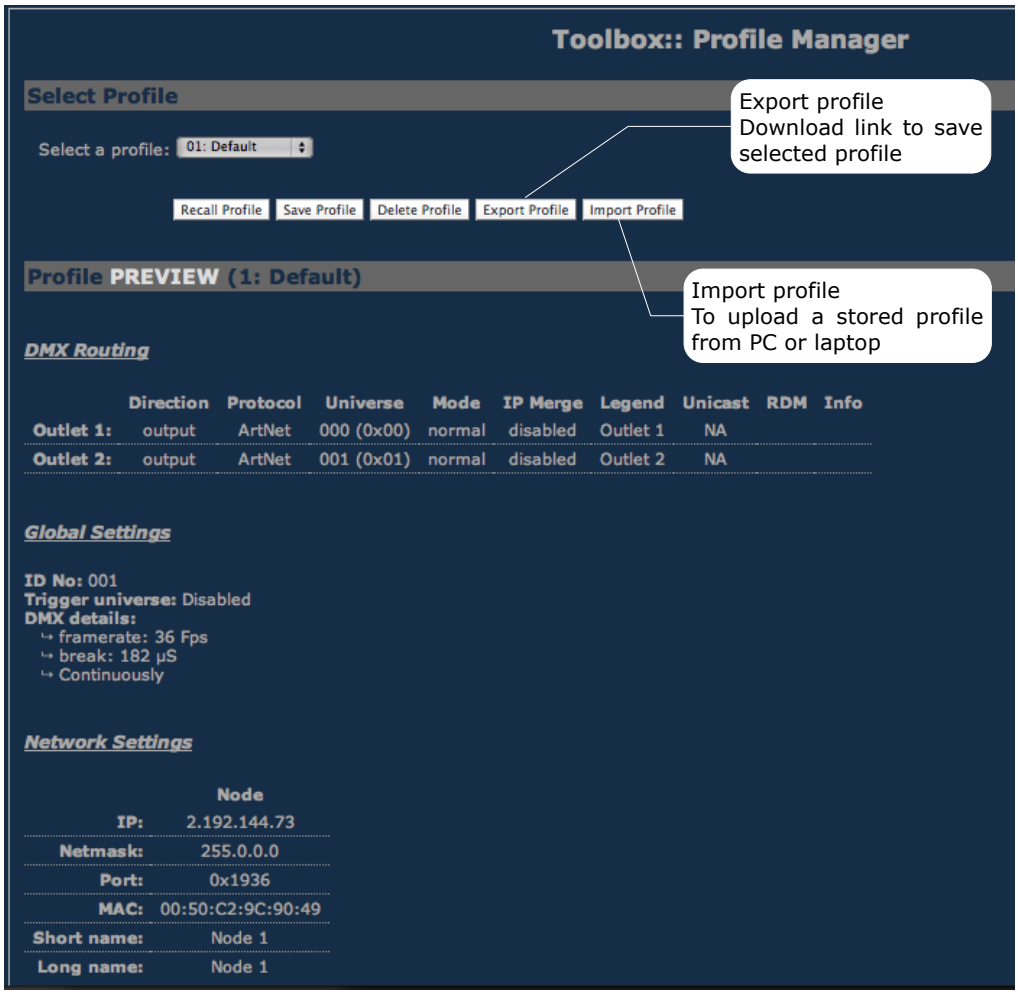
When clicking on Tools in the navigation bar, a sub menu appears. Choose one of the items in the sub menu.

- **Profile manager**

The profile manager is able to store 40 profiles. All profiles are stored on the device.

A preview of the complete configuration stored in a profile is shown when a profile is selected from the drop down list. When an empty profile is selected, no preview will be shown.

Once a profile is selected you can choose to recall it, to save actual settings as a profile, or to delete the profile.

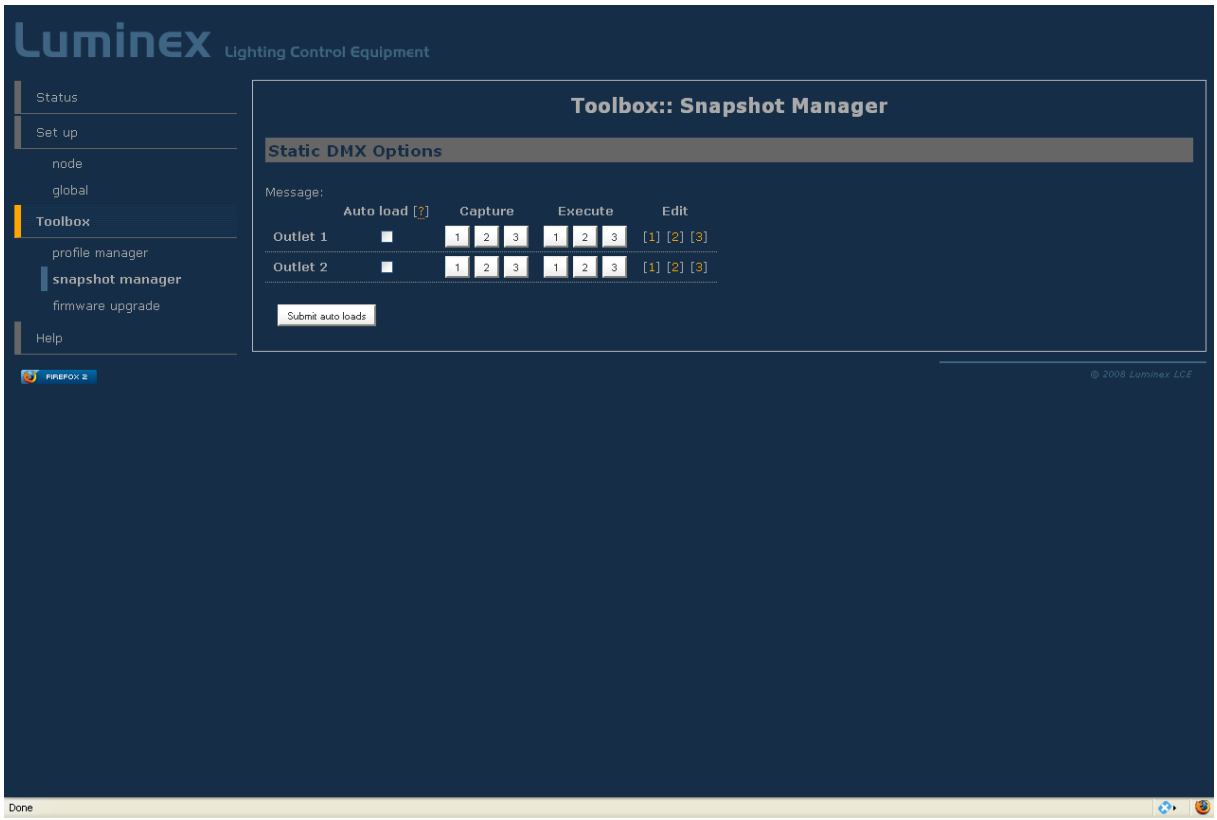



When recalling a profile, an other page will appear to ask whether to recall your network settings as well or only the outlet routings.

When saving a profile a next page will ask you to fill in a profile name.

## Snapshot manager

The Ethernet-DMX2 MkII range embeds a  snapshot function that allows you to captures 3 lighting states (fixed values) per outlet. The snapshot function is only available for outlets set as single outputs.

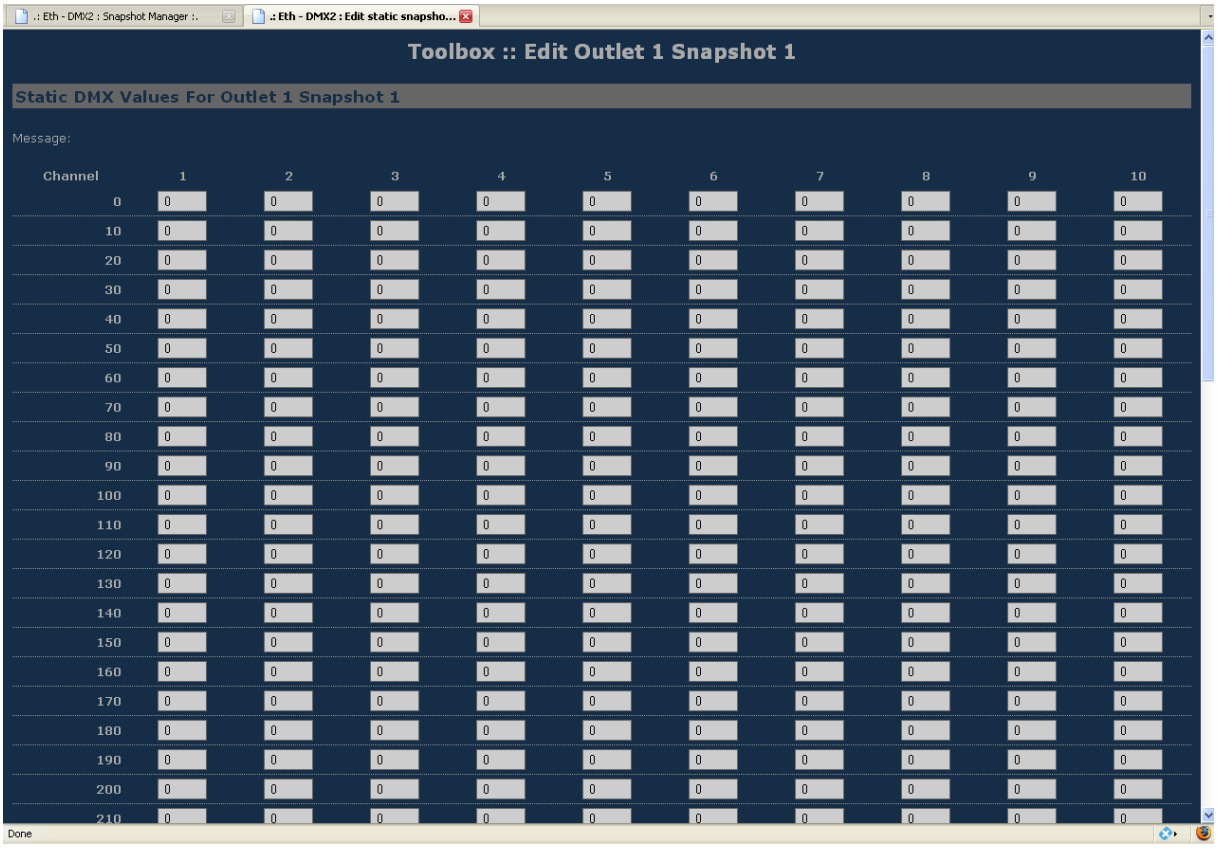



**Auto load** : When this option is ticked and the outlet is set as a single output, then the unit will automatically load snapshot 1 at startup of the node. As soon As Art-Net™ or sACN data arrives for that output, the DMX output will change. This feature is ideal for use in exhibition or expos.

**Capture** : Captures actual output state as a static DMX snapshot when there is DMX running on the output. Simply press on one of the 3 captures available to snapshot the DMX output.

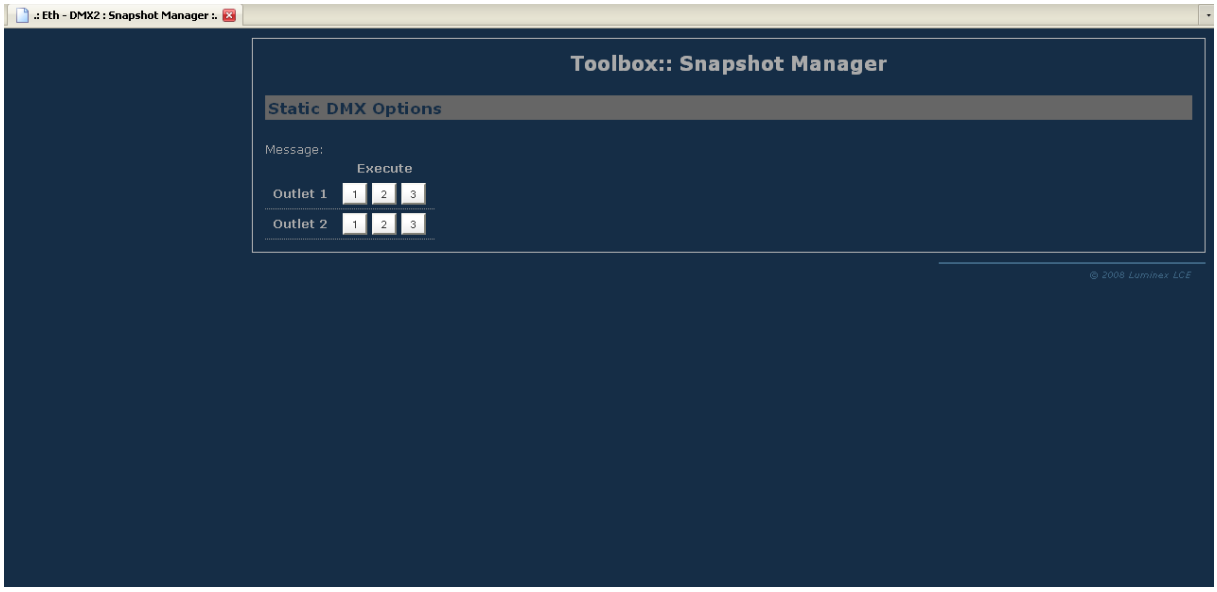
**Execute** : Executes clicked snapshot and sets it on the DMX output when configured as a single output

**Edit** : Link to edit captured snapshot in a channel table (see following screenshot). Here you can directly edit and change channel values. You can also directly create your lighting state from that windows by inserting desired values, and recall the snapshot from the Web interface.




## Capture recall

The Ethernet-DMX2 MkII range offers a user friendly interface for users to easily recall the recorded snapshots from the Web interface. Type the following address to reach the execute buttons page, where w.x.y.z represents the Ethernet-DMX2 MkII IP address : http://w.x.y.z/cgi-bin/toolbox_outlet.cgi/




For instance:

http://2.192.144.1/cgi-bin/toolboox_outlet.cgi/

- **Firmware upgrade**

The firmware upgrade page allows you to select a downloaded firmware file and upload it to the device.

This page shows the actual firmware version running on the unit below the file upload field.

The latest firmware file can always be downloaded from the Luminex web pages.

Http://www.luminex.be

To install the firmware on the Ethernet-DMX2 follow these steps:

1. Download the .zip file and save it on your hard disk.
2. Extract the .zip file.
3. Please read the "ChangeNote.txt" for latest release changes.
4. Browse to the device its IP address with your favorite web browser.
5. Click Toolbox -> Firmware upgrade.

6. Browse to the extracted upgrade file on your hard disk.
7. Select the file and press on the "Upgrade" button.
8. The upgrade file will be sent to the device.
9. Wait until the device has rebooted. (until then the Power/Ok LED will be blinking). A solid Power/Ok LED on indicated your Ethernet-DMX2 MkII has been properly updated.
10. Click now on Toolbox -> Firmware upgrade if the current version is set to the right version number. If the number is the same as mentioned with the file then the upgrade succeeded.

## Troubleshooting

- The Power/OK LED is always blinking:

  You're Ethernet-DMX2 MkII doesn't boot properly. Restart the unit with the power switch. If this doesn't help, contact your local dealer. Please note the Power/OK LED will be blinking during upgrade procedure, don't switch off the power during this step.

- My computer is connected to the node, but the Link/Activity LED is still off.

  Check the Ethernet cable you're using, and check that each RJ45 on each side of the cable is porperly inserted. Feel free to plug another cable to isolate the problem.

- I can't reach the Web interface of the Ethernet-DMX2 MkII

  Please check first the two previous steps. Then please be sure your computer is set in the same IP range than your Ethernet-DMX2 MkII. Try to ping the unit with a dedicated application, such as a DOS session on Windows, or a terminal session on MAC. You can use LumiNet Monitor V2 to discover your Ethernet-DMX2 MkII. If you can't see your device in LumiNet Monitor V2, please contact your local dealer.

# Additional Documentation

All additional documentation can be downloaded from our web pages in the support section.

Http://www.luminex.be

--> Support

### *Credits:*

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