

DmxNode – 2/1

Manual

➤ Features :

- Dual DMX outputs
- One DMX input
- Art-Net, sACN supports
- Unicast or Multicast inputs modes
- Web interface configurations
- LED shows system and signal status
- Reset button

➤ Precautions :

- Do not open the box or power supply, under penalty of warranty refusal
- Do not expose to water or moisture, under penalty of warranty refusal

➤ Specifications :

- Input voltage : 5V DC
- Dimensions (mm) : 147 W, 100 D, 41 H
- Weight : 0.7 kg
- Connectors : 1x Barrel DC, 1x RJ45, 1x MC5MAH, 1x MC5FAH
- Operational environment : -10° / 40° (non condensing)
- Timing precision : 1 μ s
- DMX break time : 100 μ s (+/- 10 μ s)
- DMX connectors Data - / Data + impedance : 120 Ω

➤ Package content :

- 1x HGLight DmxNode – 2/1
- 1x 5v 1A DC Power Supply (contry dependent plug)

➤ Default configurations :

- Name : HGLNode2-1
- Protocol : ArtNet
- IP Address : 2.0.0.10
- Netmask : 255.0.0.0
- Subnet / Universe Out 1 : 0-1 (1)
- Subnet / Universe Out 2 : 0-2 (2)
- Subnet / Universe Out 3 : 0-3 (3)
- Input : OFF
- Send IP Address : 2.0.0.11
- Send Subnet / Universe : 0-3 (3)

➤ DMX5 Connectors pin out :

- Pin 1 : GND
- Pin 2 : Data – (- θ)
- Pin 3 : Data + (+ θ)
- Pin 4 : Nothing
- Pin 5 : Nothing
- Any 3 to 5 pin DMX connector adaptor can be used (please check pinout before)

➤ **Status LED :**

- Power :
 - Green : The node is powered
 - Off : Please check power supply or DC connector
- Out 1 :
 - Green (Blinking) : ArtNet / sACN reception
 - Off : no ArtNet / sACN reception, please check configuration or sender
- Out 2 :
 - Green (Blinking) : ArtNet / sACN reception
 - Off : no ArtNet / sACN reception, please check configuration or sender
- In :
 - Green (Blinking) : ArtNet / sACN reception or transmission
 - Off : no ArtNet / sACN reception, or no DMX input reception

➤ **Reset push button :**

This button restores the default configuration of the node (network and all subnet & universe)

Please follow this procedure :

- Power on the node
- Use a pen or any other fine and sharp object (please avoid conductive objects) to push the Reset button
- Power off the node
- Power on the node

➤ **Configuration (Web Interface) :**

To access the web interface configuration, please enter the IP Address (default : 2.0.0.10) in any modern web-browser (the interface is optimized for Google Chrome). You must be on the same network as node to access the web interface configuration, please check the settings of your computer. In case of problem and as a last resort, restart the node.

➤ Name (setting) :

- Default : HGLNode2-1
- Maximum 10 characters
- Allowed characters :
 - Abcdefghijklmnopqrstuvwxyz
 - ABCDEFGHIJKLMNOPQRSTUVWXYZ
 - 0123456789-
- This name is used for transmission of ArtNet and sACN
- To change this setting, click the “Modify” button (instantaneous and no reboot required)

➤ Protocol (setting) :

- ArtNet : choose ArtNet protocol as input and output over the network
- sACN : choose sACN protocol as input and output over the network
- Change this setting is instantaneous and no requires rebooting of the node

➤ Outputs Configurations (setting) :

- IP Adress :
 - The IP Address of the node over the network
 - Default : 2.0.0.10
 - The netmask is automatically calculated from this IP Address
 - To change this setting, click the “Modify” button (reboot required)
- Subnet / Universe Out1 :
 - Define the listening universe for output n°1
 - Subnet range : 0-15
 - Universe range 0-15
 - Exemple : Subnet 2 / Universe 8 = Universe 40 ($16*2 + 8$)
 - To change this setting, click the “Modify” button (instantaneous and no reboot required)
- Subnet / Universe Out2 :
 - Same as Subnet / Universe Out1 for output n°2
- First Output On All :
 - The Subnet / Universe of output n°1 is sent to all outputs (1, 2, 3)
 - In this case, the DMX input is transformed into a DMX output
 - By disabling this option, output n°1 and n°2 returns to their configuration and input are deactivated
 - To change this setting, check / uncheck the box (instantaneous and no reboot required)

➤ **Input Configurations (setting) :**

- OFF :
 - Input or output n°3 are disabled
- ON :
 - Configure input “as an input”
 - Send IP Address :
 - The sending IP address for ArtNet or sACN (Unicast)
 - Default : 2.0.0.11
 - To change this setting, click the “Modify” button (instantaneous and no reboot required)
- OUT3 :
 - same as Subnet / Universe Out1 for output n°3
- Change this setting is instantaneous and no requires rebooting of the node



HGLight