VANTAGE

A brand of legrand®

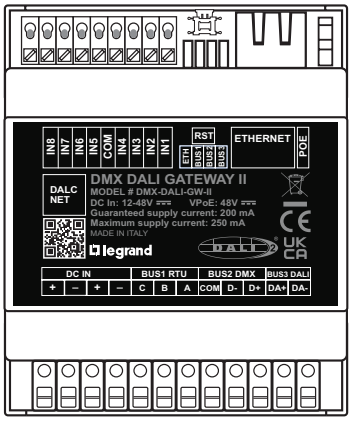
DMX DALI Gateway II

Installation Instructions • Instructions d'Installation • Instrucciones de Instalación

No: 33452 – 03/26 rev. 2

Catalog Number: DMX-DALI-GW-II

Country of Origin: Made in Italy



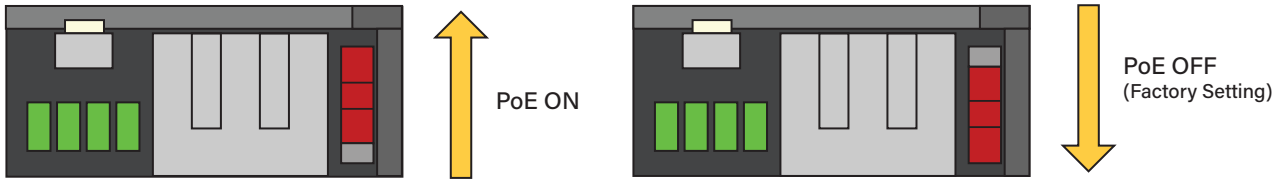
OVERVIEW

The DMX DALI GATEWAY II (DMX-DALI-GW-II) simultaneously controls DMX and/or DALI devices. The DMX-DALI-GW-II station provides DALI-2 addresses 1-64 and DMX addresses 65-512, with no overlapping addresses. The information is transmitted via Ethernet, in controlled packets, to the controller which acts as the central control point. The controller conversely transmits controlled packets back to the DMX-DALI-GW-II to be distributed to each connected bus. The controller manages the information, load status and levels; making the interface simple to use.

FEATURES AND OPERATION OVERVIEW

- Standard RJ45 Ethernet terminal connector
- Push-release type wiring terminals
  - Easy power and bus connections
- 4-LED Communication status indicators
  - Ethernet, Bus 1, Bus 2, and Bus 3
- Firmware updateable via built-in browser GUI
- Support for DMX and/or DALI-2 devices simultaneously
  - Bus 2 is DMX
  - Bus 3 is DALI-2
- Reset button
  - **Device Restart**: Quickly press and release the reset button.
  - **Factory Settings**: Press and hold the reset button for more than 2 seconds, all 4 signaling LEDs must light up progressively from right to left.
- PoE (Power Over Ethernet): This device is able to operate over PoE. To enable the POE mode, simply move the PoE selector upwards.
- Enables Remote Device Management (RDM) pass-through through 3rd party solutions.
  - Reference the following link for more information: https://legrand.my.site.com/knowledgebase/s/article/How-to-use-the-DMX-RDM-Addressing-Tool

NOTE: Before connecting the device to a PoE switch or injector, disconnect any other power sources from the DC IN+ and DC IN- terminals.



REFERENCE STANDARDS

- **EN 55035**: Electromagnetic compatibility of multimedia equipment - Immunity Requirements
- **EN 55032**: Electromagnetic compatibility of multimedia equipment - Emission Requirements
- EN IEC 62368-1: Audio/video, information and communication technology equipment - Part 1: Safety requirements
- **EN IEC 62368-1/A11**: Audio/video, information and communication technology equipment - Part 1: Safety requirements
- **EN IEC 62368-1/AC**: Audio/video, information and communication technology equipment - Part 1: Safety requirements
- **IEC 62386-101 ED.2**: Digital addressable lighting interface – Part 101: General requirement – System components
- **IEC 62386-103 ED.2**: Digital addressable lighting interface – Part 103: General requirements – Control devices
- **IEC 62386-205 ED.2**: Digital addressable lighting interface – Part 205: Particular requirements for control gear – Supply voltage controller for incandescent lamps (device type 4)
- **IEC 62386-207 ED.2**: Digital addressable lighting interface – Part 207: Particular requirements for control gear – LED modules (device type 6)
- **IEC 62386-209 ED.2**: Digital addressable lighting interface – Part 209: Particular requirements for control gear – Colour control (device type 8)
- **ANSI E1.11**: Entertainment Technology – USITT DMX512-A Asynchronous Serial Digital Data Transmission Standard for Controlling Lighting Equipment and Accessories
- **MODBUS APPLICATION PROTOCOL SPECIFICATION V1.1b**

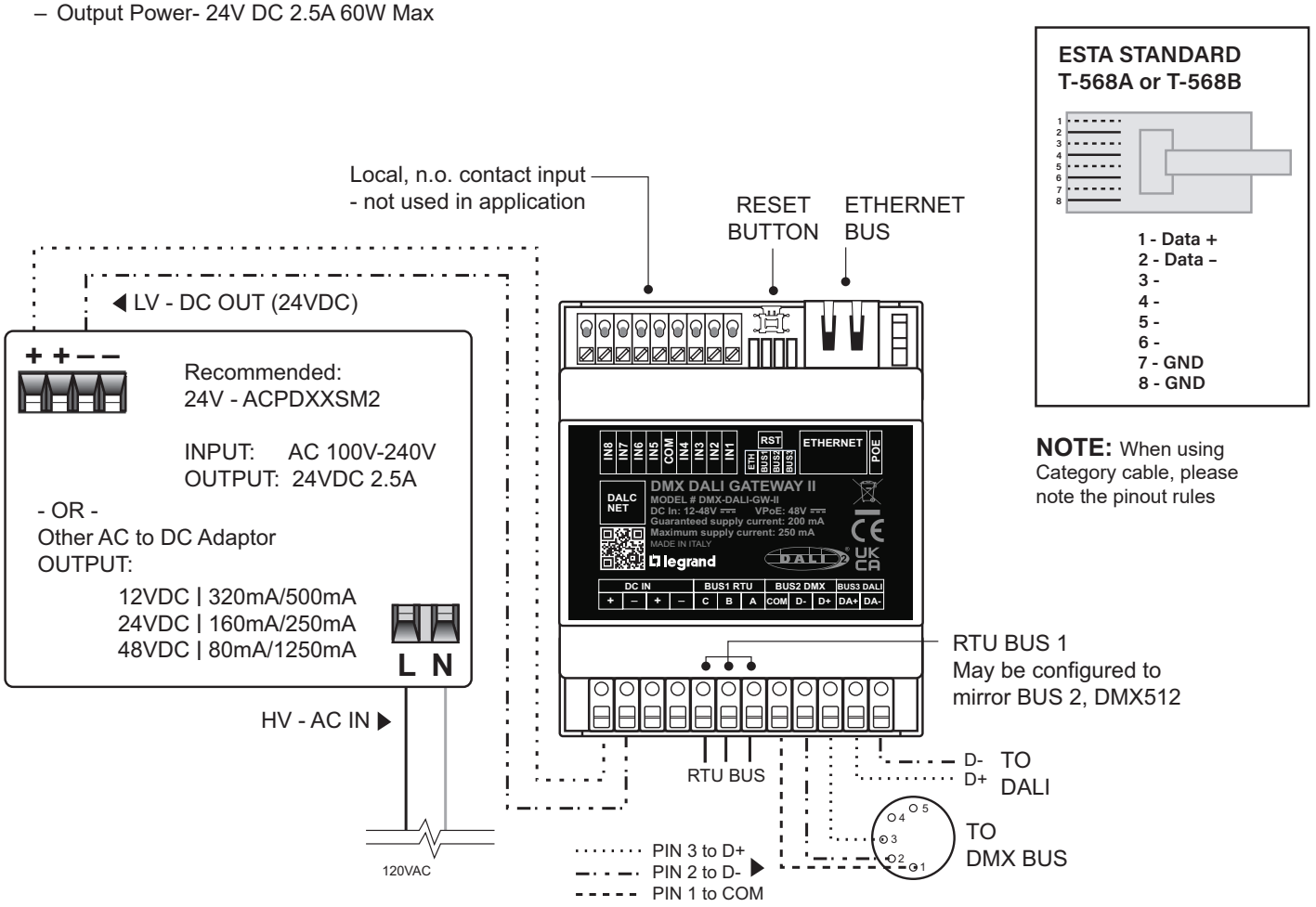
SPECIFICATIONS

Description		Specification		
Dimensions, HWD		3.62” x 2.83” x 2.44” (92mm x 72mm x 62mm)		
Weight		3.53 oz (100g)		
Supply Voltage		12 / 24 / 48 VDC		
Input Current		550mA max		
Mounting		35mm DIN Rail (EN 50 022: 1977)		
Connects to System Via		Ethernet, RJ45 - 10/100Mbit		
Minimum Power Draw		40mA		
DMX		512		
DALI		64 ADDRESS Integrated power supply: 200mA / 16VDC	Guaranteed bus current – 200mA Max bus current = 250mA	
Nominal Power		**TYP**	**MAX**	
	@12V	160 mA (1.92W)	550 mA (6.60W)	
	@24V	80 mA (1.92W)	260 mA (6.24W)	
	@48V	50 mA (2.4W)	150 mA (7.20W)AX	
PoE1		**MIN2**	**TYP**	**MAX**
	@48V	40 mA (1.9W)	100 mA (4.65W)	170 mA (7.9W)
Ethernet		10 / 100 Mbit baseT FULL DUPLEX AUTO NEGOTIATION		
ModBus RTU		RS-485, BAUD RATE 9600 to 250000		
DALI-2		Addresses 1-64		
DALI Groups 1-16		Control from 1 to 16 DALI groups - see Using DALI Groups		
DMX		Addresses 65-512		
4-LED Communication Status Indicators		1 LED for each: Ethernet, Bus 1, Bus 2, and Bus 3		
Storage Temperature		Min: -40° F to max. 140° F (Min. -40° C to max. +60° C)		
Ambient Operating Temperature		Min. -40° F to max. 140° F (Min. -40° C to max. +60° C)		
Ambient Operating Humidity		Non-condensing environment		
Certifications		UKCA, CE		

INSTALLATION

PRE-INSTALLATION

- Installation and maintenance must only be performed by qualified personnel in compliance with current regulations
- Mount using standard 35mm DIN Rail (EN 50 022: 1977)
- Product must be installed in an electrical panel protected against over-voltages
- High-voltage to the power supply must be kept separate from all low-voltage power connections to the DMX-DALI-GW-II station
- Push terminals are provided allowing easier connection of power and bus wires
- A standard Ethernet RJ45 terminal is provided for the station to connect to the local network
- A 120-240 volt power supply adaptor must be properly installed. Power adaptor must have a DC output sufficient to operate the station – adaptor output can be 12VDC to 48VDC
- The Vantage ACPDXXSM2 power supply is recommended
  - Input Power- AC 100-240V-1.22-0.66A 50/60
  - Output Power- 24V DC 2.5A 60W Max



ESTA STANDARD
T-568A or T-568B

1 - Data +
2 - Data –
3 -
4 -
5 -
6 -
7 - GND
8 - GND

NOTE: When using Category cable, please note the pinout rules

IMPORTANT

- To prepare for configuration of the DMX-DALI-GW-II and its loads in Design Center, it is important to obtain a list of related luminaires and devices in the system that includes configured addresses, groups (DALI), and locations.
- For DALI luminaire devices, it is advised to configure zones of luminaires with group IDs and use Design Center color loads as groups. Remember that Design Center adds 1 to each address, so the real device configuration value will appear 1 integer lower than what is used in Design Center.
- For DMX luminaire devices, it is advised to configure luminaires within a zone with the same shared address and use Design Center color loads as groups.
- DALI addresses can be 1-64 and DALI-2 groups can be 1-16.
- DMX addresses can be 65-512.

CONFIGURATION STEPS

The DMX-DALI-GW-II Configuration software is built into the DMX-DALI-GW-II station and is accessed by connecting to the station's IP address via most internet browsers – test with: Mozilla Firefox™, Google Chrome™, Microsoft Edge™. Try a different browser if problems occur running the web GUI.

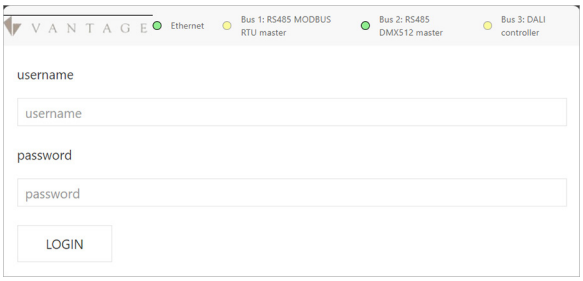
NOTE: When starting from a factory default, the web browser must connect to the IP address 192.168.1.225 to access the DMX-DALI-GW-II configuration GUI. Updating the device firmware will not reset the IP address setting.

1. Power on the station with the correct power supply or PoE connection.
2. The station comes with a static IP Address of 192.168.1.225
3. Follow the **A** or **B** section steps below depending on the local network.

OPTION A

Local network **is not** on the 192.168.1.x subnet and the DMX-DALI-GW-II station is set to factory default settings.

1. Connect the computer directly to the DMX-DALI-GW-II using a network cable (the DMX-DALI-GW-II must be powered)
2. Modify the computer's network adapter settings to have a static IP address of 192.168.1.5 with network gateway address of 192.168.1.1.
3. Enter 192.168.1.225 into a browser to access the DMX-DALI-GW-II web dashboard interface. (If unable to connect, perform a factory reset to the DMX-DALI-GW-II and try again.)
4. Upon connecting to the DMX-DALI-GW-II browser interface, a login screen will require entering **Username** and **Password**. If this is the first time connecting to the DMX-DALI-GW-II, use "admin" for both fields then click **LOGIN**.



5. Logging in to an unconfigured DMX-DALI-GW-II will prompt the entry of new Username and Password credentials for both User and Admin roles. Credentials for fields can be any combination of letters, numbers, and symbols. It is important to use unique Usernames for User and Admin to ensure separate logins. After entering values and clicking APPLY, the main login screen will be displayed.
6. After entering a valid Username and Password then clicking LOGIN, the DMX-DALI-GW-II Web Dashboard home page will appear. In this home screen it is possible to view information about the device in use, such as: Dashboard version, Firmware version, TCP/IP stack version.

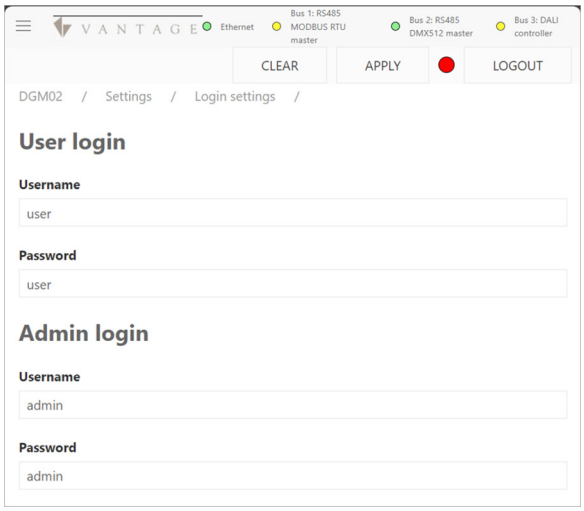
Bus Status Indicators:

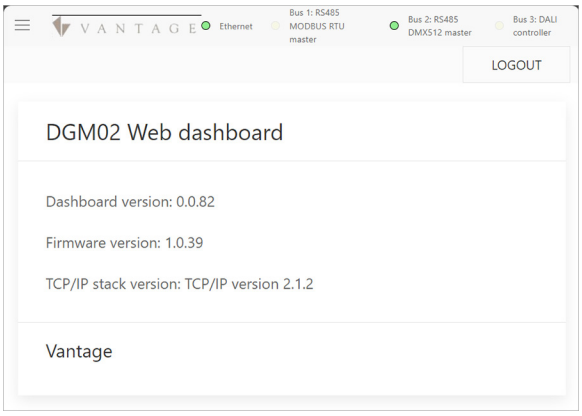
- Steady Green - communication is active
- Blinking Yellow - no communication via BUS or BUS not active

OPTION B

Local network is on the 192.168.1.x subnet and the DMX-DALI-GW-II station is set to factory default settings.

1. Enter 192.168.1.225 into a browser to access the DMX-DALI-GW-II web dashboard interface. (If unable to connect, perform a factory reset to the DMX-DALI-GW-II and try again. If another device on the network is configured with 192.168.1.225, temporarily remove it from the network or change its IP address. Once connected to the DMX-DALI-GW-II, skip to Step 4.

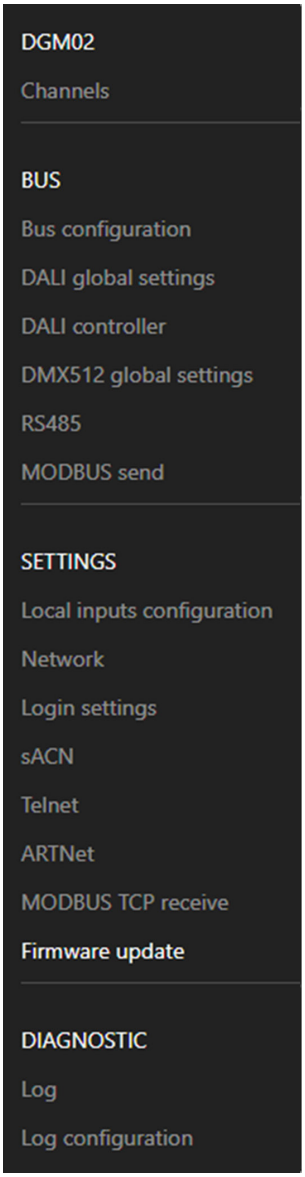




7. Clicking the menu bar icon in the upper left will open the **Settings** menu.

WEB DASHBOARD SETTINGS MENU

NOTE: Device settings are only visible to Admin users.



CHANNELS: Configure the dimming values of the channels with the relative fader (not visible if in DALI CONFIG mode)

BUS CONFIGURATION: It is possible to configure the settings for each single physical bus on the DMX-DALI-GW-II

DALI GLOBAL SETTINGS: Within this page it is possible to configure the settings for the DALI bus (modifiable only if in DALI CONFIG mode)

DALI CONFIG: On this page you can configure the DALI devices, address them and assign membership to groups (not visible if in DALI CONTROLLER mode)

DALI CONTROLLER: On this page it is only possible to view the addressed DALI devices and which groups they belong to (not visible if in DALI CONFIG mode)

DMX512 GLOBAL SETTINGS: In this page it is possible to configure the DMX512 timing settings (not visible if in DALI CONFIG mode or RS485 Bus not enabled)

RS485: On this page you can configure the settings for the sending speed of the RS485 packet (not visible if in DALI CONFIG mode or RS485 Bus not enabled)

MODBUS SEND: Configure the settings for sending the Main MODBUS RTU packet (not visible if in DALI CONFIG mode or if the Send MODBUS RTU BUS is not enabled)

MODBUS RECEIVE: Configure the settings for sending the MODBUS RTU receive packet (not visible if in DALI CONFIG mode or if the MODBUS RTU RECEIVE BUS is not enabled)

LOCAL INPUTS CONFIGURATION: On this page it is possible to set actions for the device's 8 momentary input terminals to control individual channels or recall static scenes

NETWORK: Configure the settings to change amange the IP Address, the Netmask and view the MAC Address

LOGIN SETTINGS: It is possible to configure the settings for modifing and managing the LOGIN USER and PASSWORD

sACN: Configure the settings for enabling or disabling the protocol

TELNET: Configure the settings for enabling or disabling the protocol and sending times

ARTNet: Configure the settings for enabling or disabling the protocol

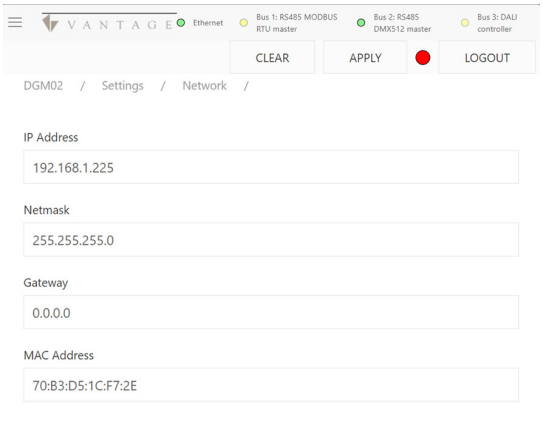
MODBUS TCP RECEIVE: Configure settings for enabling or dispabling the protocol

FIRMWARE UPDATE: On this page it is possible to update the firmware of the DMX-DALI-GW-II as needed

LOG: The product logs are stored here

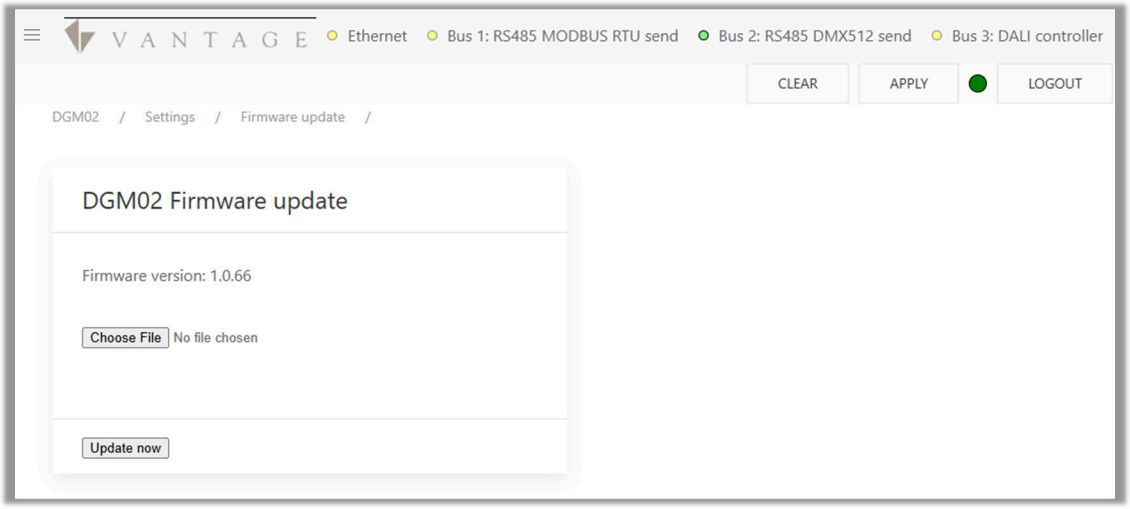
LOG CONFIGURATION: Configure the settings for managing the Logs

8. Within the SETTINGS section of the menu, select the **Network** option to open the network settings page. Provide a valid static IP Address for the DMX-DALI-GW-II, leave the Netmask as 255.255.255.0, and set the Gateway IP Address to match that of the local network router. The MAC Address can be recorded for use in network management if desired. Click **APPLY** to save the settings.
9. If the IP Address was changed from the default address, the Web Dashboard will be disconnected after applying these changes. Use the saved IP Address to open the Web Dashboard again in a browser window. Login to continue configuration of the DMX-DALI-GW-II.



FIRMWARE UPDATE

Before installing the Vantage DMX-DALI-GW-II, make sure the firmware has been updated to the latest release found on the Vantage dealer website (https://servicecenter.legrand.us/apps/Sales/VantageDealerPortal/). After a firmware update the station's IP address will not change. Only a factory reset using the on-board reset button will restore the device IP address back to the factory default of 192.168.1.225.



FIRMWARE UPLOAD PROCEDURE

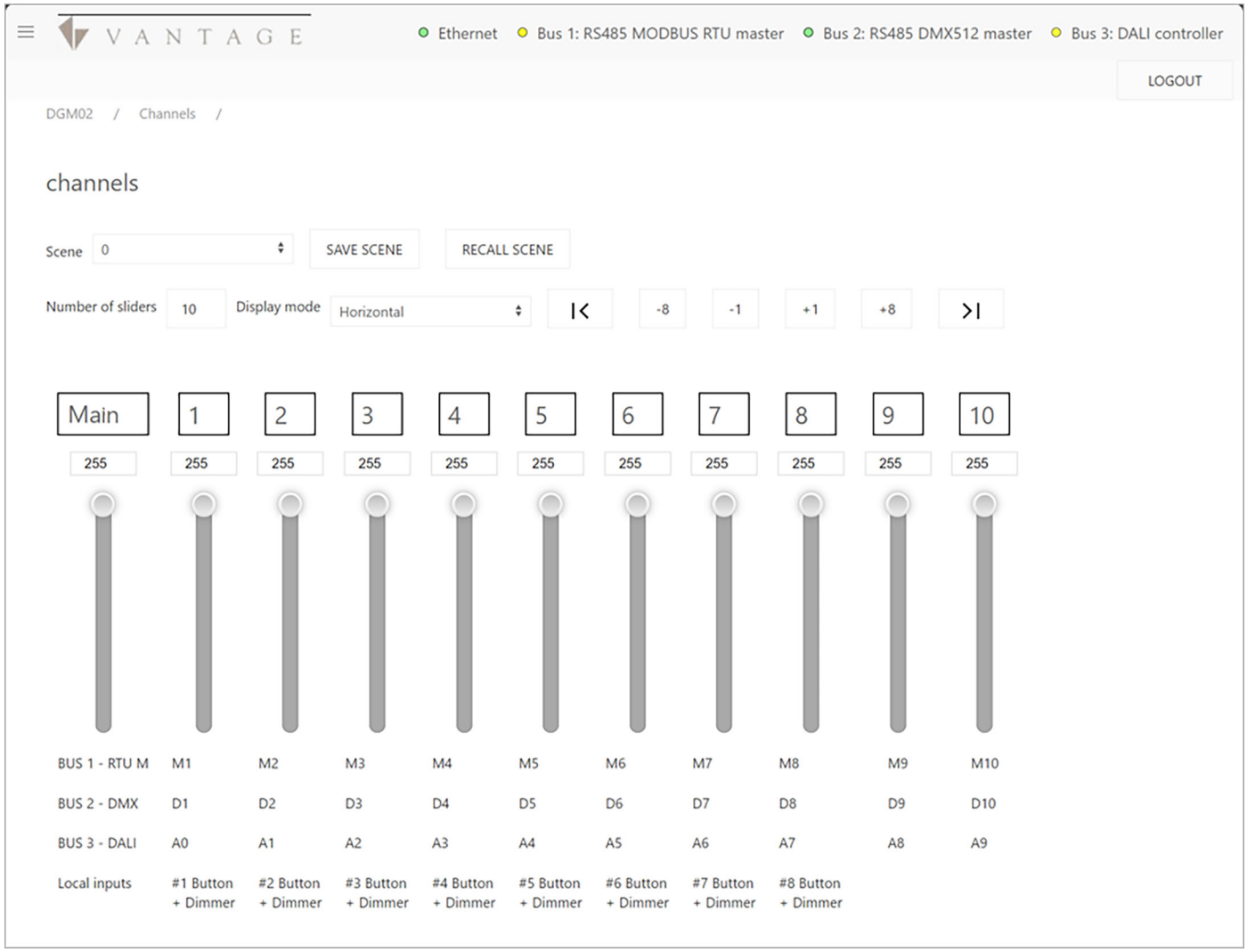
1. From the web page menu, access the **Firmware Update** section.
2. Click on **Choose File** and select the version of the FW to load; The file to be uploaded has an .upf format.
3. Once selected, click on **Update Now** and wait for the file to be loaded correctly within the DMX-DALI-GW-II.
4. Once the upload is complete, click on the "Reboot" button.
5. After having pressed the "Reboot" button, the DMX-DALI-GW-II will reboot
6. At the next switching on, the 2 leftmost LEDs will flash simultaneously to indicate that the Reboot has been carried out correctly.
7. At this point the DMX-DALI-GW-II will update to the new FW version. The progress of the update can be seen as the LEDs will light up sequentially from right to left.
8. Once the update has been carried out, the DMX-DALI-GW-II will return to the home page;
9. If, on the other hand, after point 6, the LEDs return to flash in standard mode, it means that the firmware update has not been performed.

NOTE: Do **NOT** disconnect the power supply of the DMX-DALI-GW-II until the update is finished.

LOAD CHANNELS

DMX-DALI-GW-II STATION	DALI (Bus 3)	DMX (Bus 2)
Vantage recommends **avoiding** channel overlap	Channels 1 to 64	Channels 65 to 512
	• DMX can use 65 to 512 • DALI can use up to 64 channels and may start with an offset number using the **Device Config** tool	

CHANNELS PAGE



The DMX-DALI-GW-II has a WebApp for the monitoring and manual adjustment of all available DALI and DMX channels that can be accessed using a compatible web browser.

By default, the Channels management window shows 16 channels across the window. The “Number of Sliders” value can be adjusted to reduce or increase the quantity of channels displayed in the browser window by up to 200. “Display Mode” can be adjusted between Horizontal and Vertical orientation.

It is possible to scroll through all 512 channels by clicking the “Go To Last” and “Go To First” buttons or clicking the -8, -1, +1, and +8 buttons.

The “Main” slider can be used to set all 512 channels to the same level value.

BUS CONFIGURATION

SEND / RECEIVE OPERATION

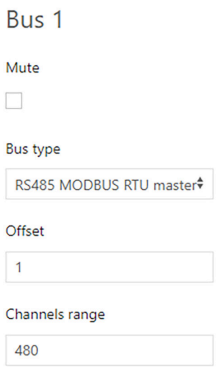
The DMX-DALI-GW-II station ships with all buses in Send mode by default. It is possible to independently configure each DALI and DMX bus in Send or Receive mode, however, Vantage does not support mixed Send/Receive mode configurations. Always set both DALI and DMX buses to the same type of configuration. Remember to click Apply when changing any settings in the configuration window.

SEND MODE OPERATION

In Send mode, the InFusion system controller is the primary control for all connected DALI and DMX devices and channel values are sent out from the DMX-DALI-GW-II.

RECEIVE MODE OPERATION

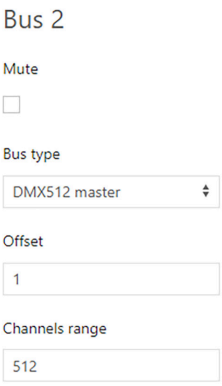
In Receive mode, the InFusion system controller is a monitor for all connected DALI and DMX devices and channel values are received by the DMX-DALI-GW-II.



BUS 1 represents the first port (RS485) and can be configured as the following:

- Not Set
- RS485 MODBUS RTU send
- RS485 MODBUS RTU receive
- DMX512 send
- DMX512 receive

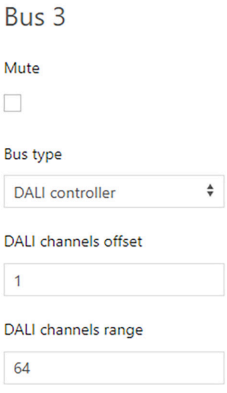
The **Offset** allows you to assign the number of the starting slide to the first channel of BUS 1.
The **Channels Range** allows you to set the number of channels you want to use in BUS 1.
The BUS can be disabled by selecting **Mute** or by setting the bus configuration as “NOT SET”



BUS 2 is the second port (DMX) and can be configured as the following:

- Not Set
- RS485 MODBUS RTU send
- RS485 MODBUS RTU receive
- DMX512 send
- DMX512 receive

The **Offset** allows you to assign the number of the starting slide to the first channel of BUS 2.
The **Channels Range** allows you to set the number of channels you want to use in BUS 2.
The BUS can be disabled by selecting **Mute** or by setting the bus configuration as “NOT SET”.



BUS 3 Bus 3 is related to the third BUS port of the product. The DALI protocols.
You can set this port in the following configurations:

- Not Set
- DALI controller
- DALI config

In this menu it is possible to assign the **Offset** and **Channels Range** of the 64 DALI nodes to the BUS 3 channels.
The **DALI channels offset** allows you to assign the number of the starting slide to the first DALI address.
The **DALI channels range** allows you to set the number of channels you want to use in BUS 3.
The BUS can be disabled by selecting **Mute** or by setting the bus configuration as “NOT SET”. With these functions you disable the bus and turn off the power supply on the DALI bus.

BUS CONFIGURATION *(continued)*

NOTE: When addressing DALI devices in DALI config mode, it is recommended to set the range to 64 maximum value and only after returning to the DALI Controller configuration and addressing the devices change the range to the desired value.

After modifying the settings, click on the “APPLY” button at the top right, otherwise the changes will be lost. On the other hand, with the “CLEAR” button the changes are cancelled.

DALI GLOBAL SETTINGS - BUS 3

Only in DALI Config mode it is possible to modify the DALI global settings pop-up menu which are:

- **Transmit as**:
  - “Address”: Send address commands to up to 64 addresses (this will make visual cascading more apparent)
  - “Group”: Send group commands up to 16 groups (this will make visual cascading less apparent)
  - “Broadcast”: Send broadcast commands up to 16 groups (This will make visual cascading less apparent)
- **Send Command “OFF” instead of “DAPC0“**: Sends the DALI OFF command instead of the DAPC command to 0 (it is recommended to use OFF command to improve performance)
- **System Failure Level**: Sends the System Failure Level command to all devices on the bus
- **Power On Level**: Sends the Power On Level command to all devices on the bus
- **Fade Time**: Sends the Set Fade Time commandto all devices on the bus (this will override any on-board fade time of DALI drivers)
- : Enables the management of Device Type 8 lighting devices
- **System Failure Color**: Sends the System Failure Color command for RGBW components
- **Power On Color**: Sends the Power On Color command for RGBW components

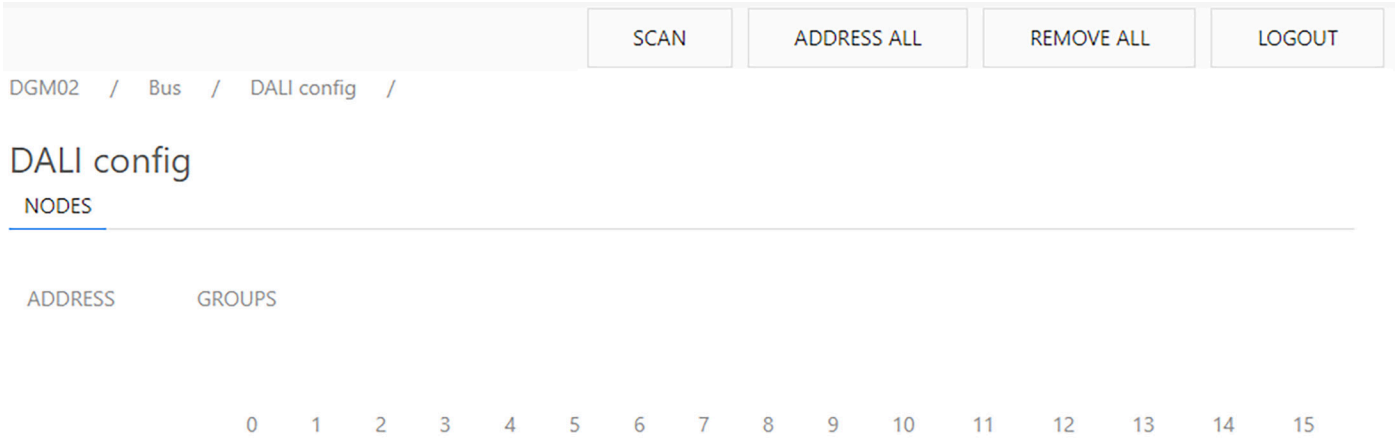
NOTE: Only by pressing “APPLY” are the DALI commands sent. To unlock the configuration of the other buses, put the DALI bus in DALI Controller mode.

DALI CONFIG - BUS 3

NOTE: Before proceeding with the addressing and configuration of the DALI devices, it is necessary to set BUS 3 in DALI Config mode.

ADDRESSING

By clicking on “DALI Config” from the pop-up menu, we enter the DALI device addressing interface.



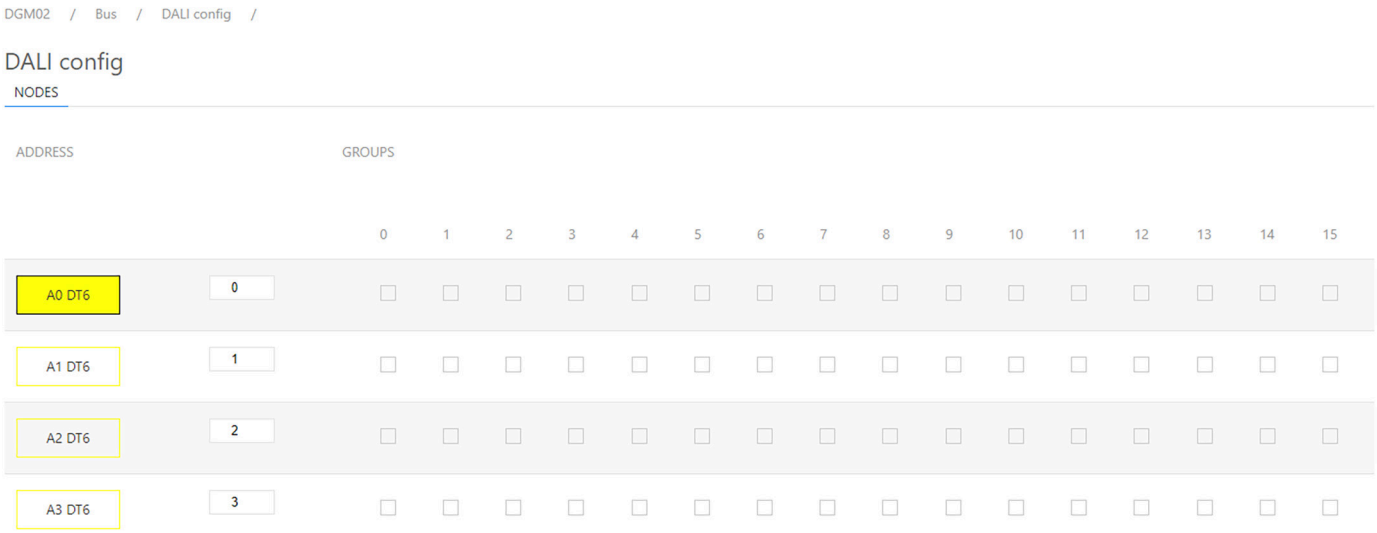
At the top right are the following commands:

- **SCAN**: performs the acquisition of DALI nodes already addressed;
- **ADDRESS ALL**: performs the addressing of all DALI nodes, the address devices will be displayed in a list;
- **REMOVE ALL**: removes the addressing to all DALI nodes.

NOTE: Before making a complete addressing of the system it is necessary to send a “REMOVE ALL” command.

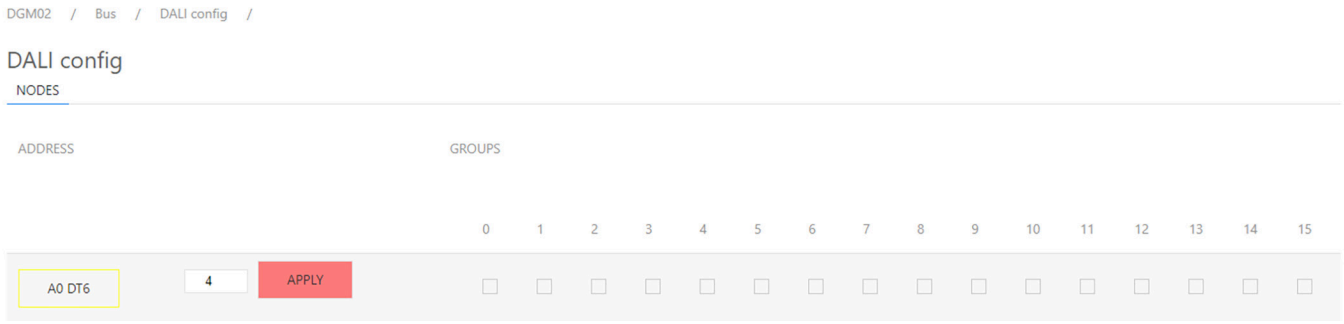
IDENTIFICATION OF ADDRESSED DEVICES

After addressing, it is possible to flash the node just addressed, so that it can be visually identified.



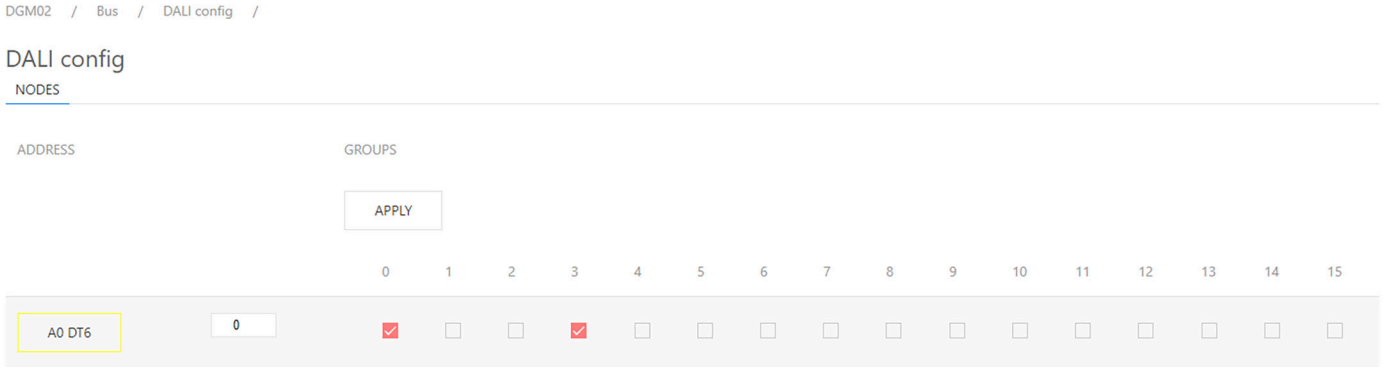
ADDRESS CHANGE FROM THE DEVICES ALREADY ADDRESSED

To change the address of the single DALI node, previously addressed, it is necessary to enter the new node value (eg from 0 to 63) to the right of the flashing button of the node itself and click the “APPLY” button which will appear immediately on the right.



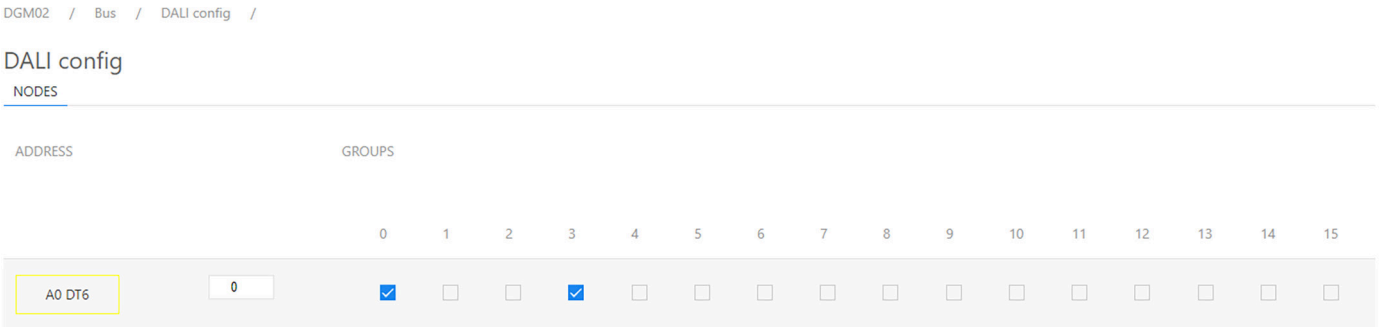
ASSOCIATING A GROUP WITH A DALI ADDRESS

By clicking on one of the 16 boxes depicting the available groups (ie from 0 to 15) it is possible to associate the desired address to a DALI Group. Subsequently, by pressing the “APPLY” button that appears at the top, the command is sent on the DALI BUS.



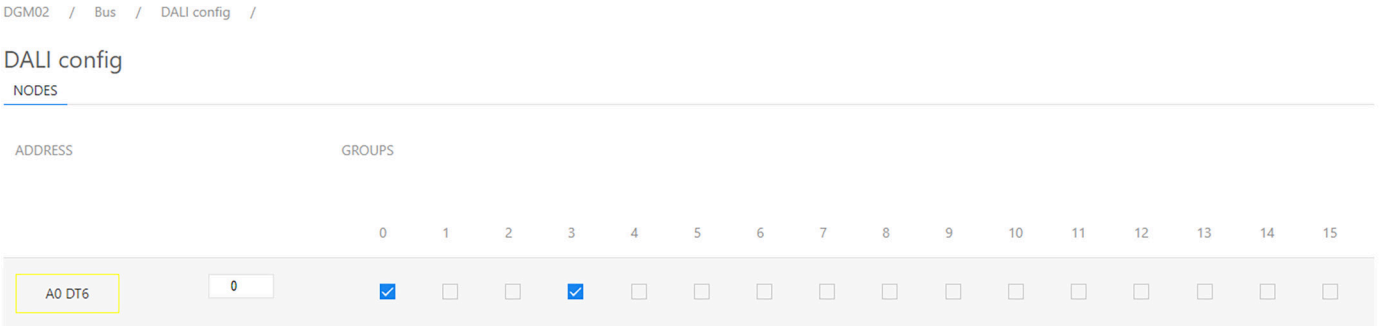
ASSIGNMENT CONFIRMATION

As confirmation of the assignment of the address to the group, the box changes from red to blue

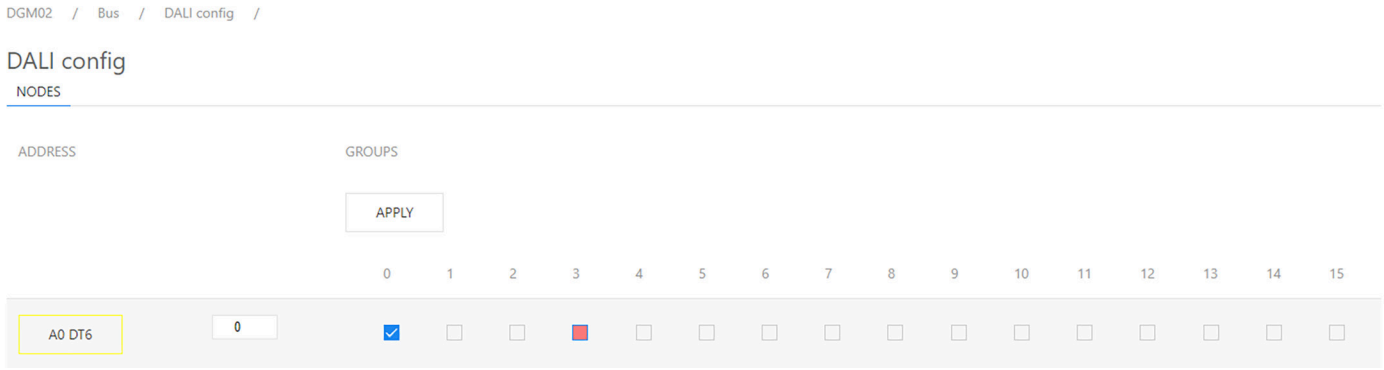


REMOVING A GROUP

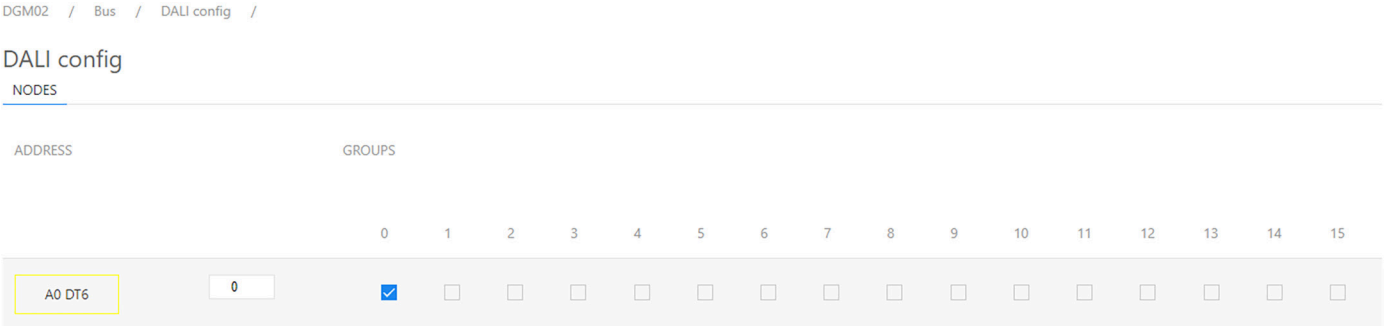
By clicking on one of the 16 boxes depicting the available groups (ie from 0 to 15) it is possible to remove the desired address from a DALI Group. Subsequently, by pressing the “APPLY” button that appears at the top, the command is sent on the DALI BUS.



REMOVAL FROM THE G3 GROUP OF THE A0 ADDRESS



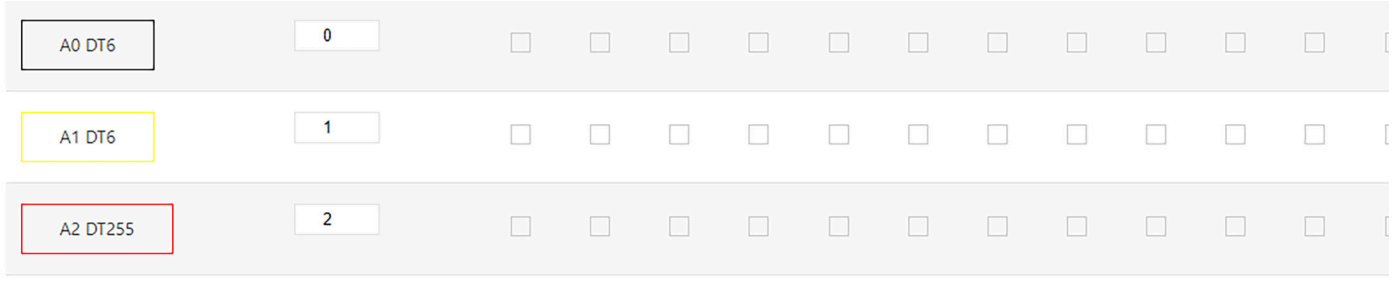
COMPLETED REMOVAL



STATE OF THE DALI NODE

The status of the DALI node is displayed in the outline of the button depicting the address number, and is as follows:

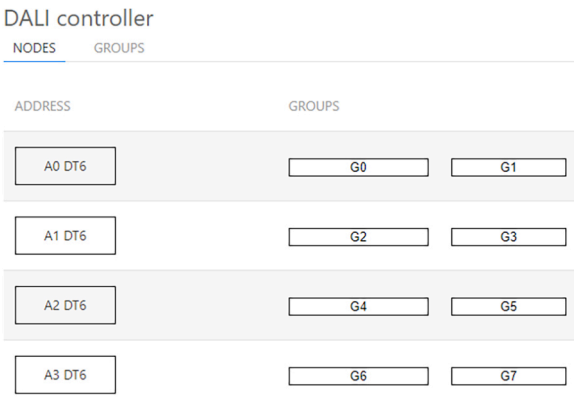
- **BLACK**: Black: node present and off
- **YELLOW**: Node present and switched on
- **RED**: Node present but not responding correctly (LAMP FAILURE)



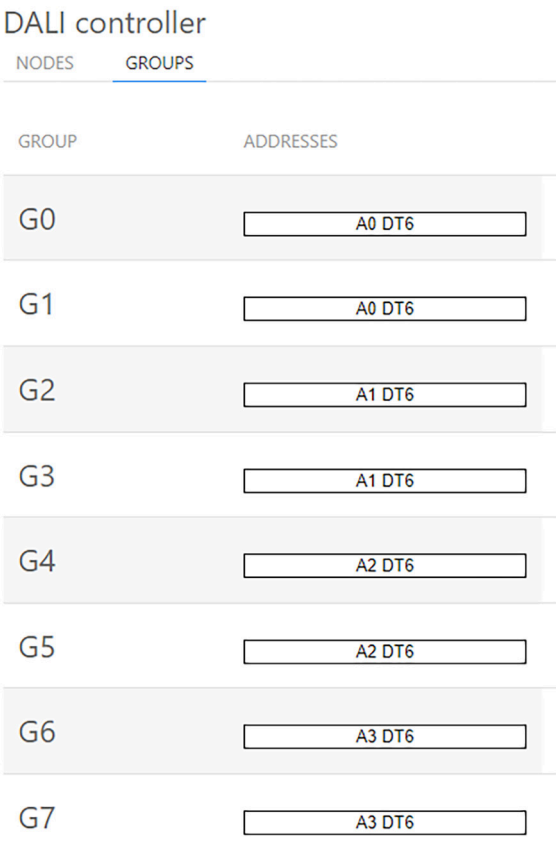
DALI CONTROLLER - BUS 3

In DALI Controller mode the device transmits the DALI channels according to an algorithm that updates only the nodes that change intensity value. In this way, only the intensity change command is sent to the concerned DALI node.

By selecting the NODES item, it is possible to see the nodes addressed:



Instead by selecting the GROUPS item, it is possible to see the groups to which the nodes belong.



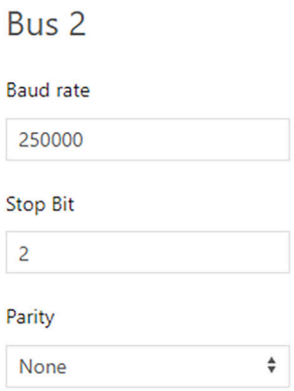
DMX512 GLOBAL SETTINGS AND RS485 - DMX SEND (BUS 1 AND BUS 2)

Setting BUS 1 (or BUS 2) as DMX512 Main in the pop-up menu activates the **DMX512 GLOBAL SETTINGS** and **RS485** sections.

The fields displayed in the **RS485** section for Bus 1 (or Bus 2) are:

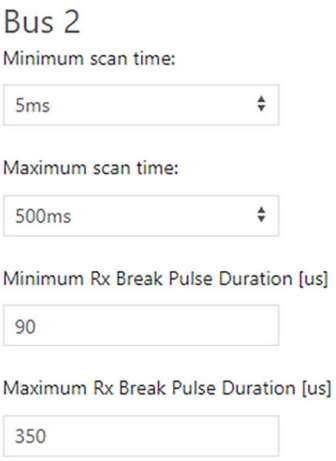
- **Baud Rate**: Only 250000
- **Stop Bit**: 2 bits
- **Parity**: None

A universe of 512 channels can be received on both buses BUS1 and BUS2.



The fields displayed in the **DMX512 GLOBAL SETTINGS** section for Bus 1 (or Bus 2) are:

- **Minimum Scan Time**
- **Maximum Scan Time**
- **Minimum RX Break Pulse Duration [us]**
- **Maximum RX Break Pulse Duration [us]**

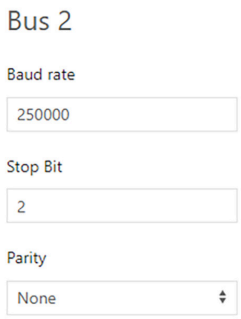


DMX512 GLOBAL SETTINGS AND RS485 - DMX RECEIVE (BUS 1 AND BUS 2)

Setting BUS 1 (or BUS 2) as DMX512 Receive in the pop-up menu activates the **DMX512 GLOBAL SETTINGS** and **RS485** sections.

The fields displayed in the **RS485** section for Bus 1 (or Bus 2) are:

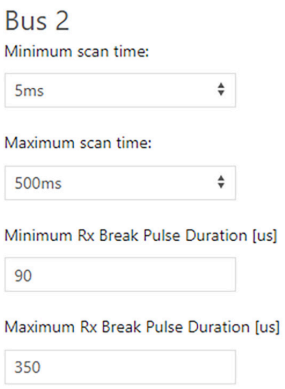
- **Baud Rate**: Only 250000
- **Stop Bit**: 2 bits
- **Parity**: None



A universe of 512 channels can be received on both buses BUS1 and BUS2.

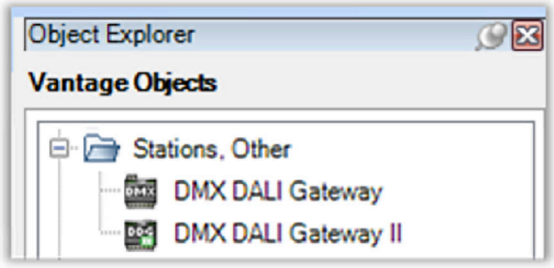
The fields displayed in the **DMX512 GLOBAL SETTINGS** section for Bus 1 (or Bus 2) are:

- **Minimum Scan Time**
- **Maximum Scan Time**
- **Minimum RX Break Pulse Duration [us]**
- **Maximum RX Break Pulse Duration [us]**

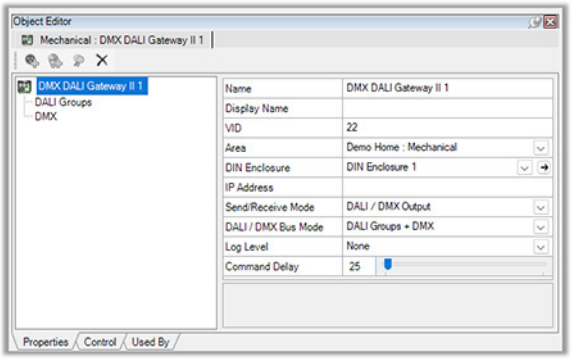


IMPORTANT NOTES

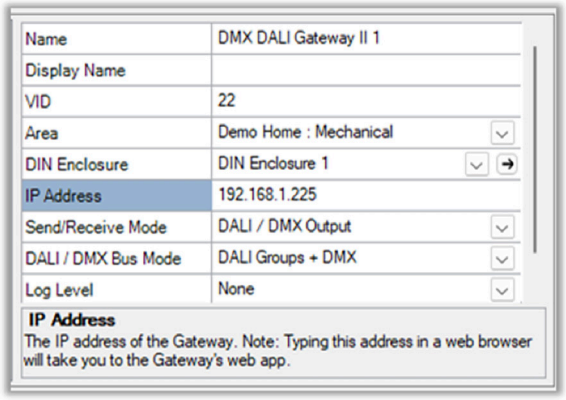
- The DMX-DALI-GW-II is designed for use with Vantage InFusion systems using Design Center software version 4.11 and higher.
- DALI DT-8 controls can only be executed using version 4.11 and higher.
- The DMX-DALI-GW-II can be used with pre-4.11 versions of Design Center, where the project uses the old DMX DALI Gateway station object, with special attention to function limitations.
- Addresses 1-64 must be used for DALI, and addresses 65-512 must be used for DMX. No DT-8 control is available with pre-4.11 versions of Design Center.



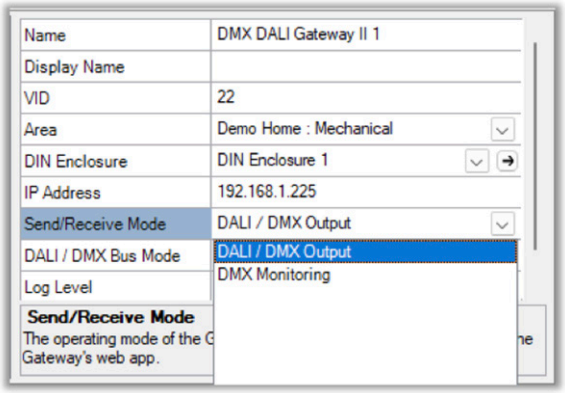
1. From the **Vantage Objects** folders, open **Stations, Other** and drag a DMX DALI Gateway II object into the project room where the real hardware will be located.



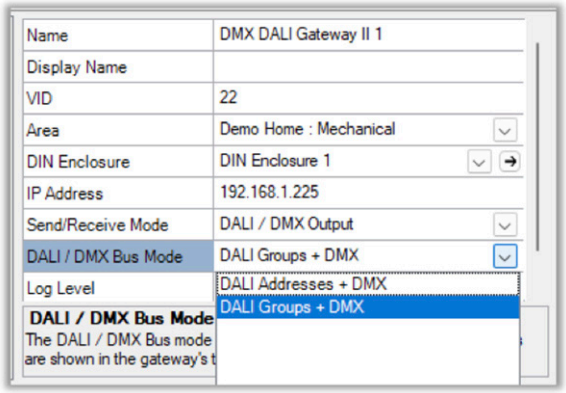
2. With the **DMX DALI Gateway II** selected, configuration details can be seen in the **Object Editor** window.



3. In the IP Address field, enter the same address that the gateway hardware is configured with. The factory default address is 192.168.1.225.

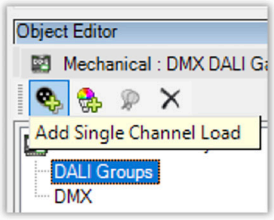


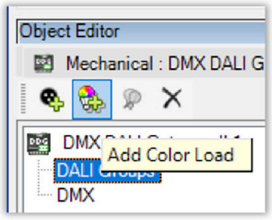
4. The Send/Receive Mode needs to match that of the configuration of the gateway hardware.



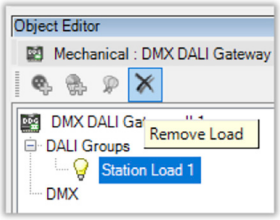
5. The DALI / DMX Bus Mode needs to match the DALI TRANSMIT AS setting of the gateway hardware (see settings on page 10). DALI Groups is the default setting.

ADDING LOADS TO THE DMX-DALI-GW-II IN DESIGN CENTER

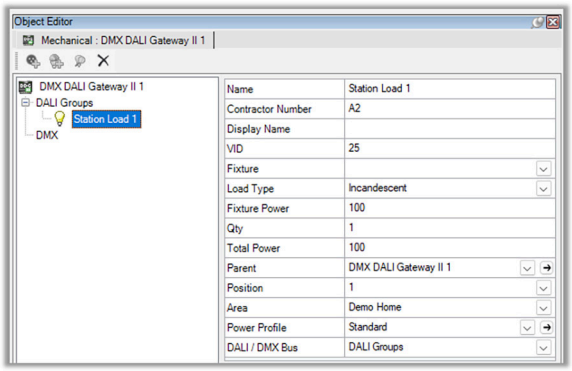




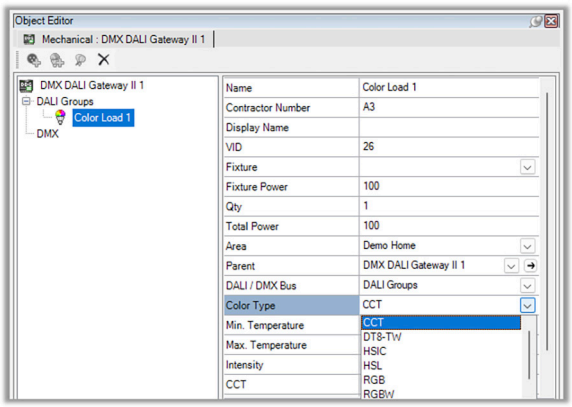
1. Single Channel Loads represent static white or warm-dim type luminaires, and Color Loads represent multi-channel luminaires. To add a DALI Group object, select the **DALI Groups** bus in the Object Editor, then use the **Add Load** buttons to add a desired load. Likewise, select the **DMX** bus then use **Add Load** to add DMX loads.



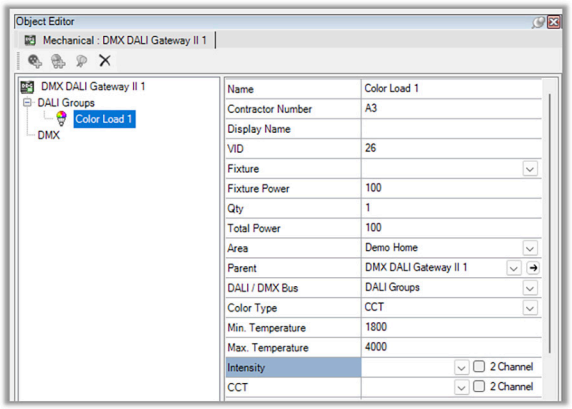
2. To remove any Load from the DMX-DALI-GW-II, select the load then click the **Remove Load** button at the top of the Object Editor.



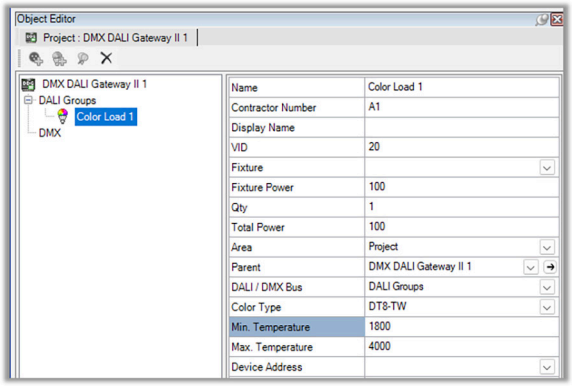
3. In the Object Editor details for a Single Channel Load (DT-4 if DALI), Position value is the Group ID or Address. Remember that Design Center uses a +1 factor with the DALI IDs - example, DALI Group 0 = Position 1 in Design Center. DMX addresses are equal to the starting address of the luminaire device. Changing the DALI / DMX Bus assignment will move the load to the other bus and change the Position value. Load Type, Fixture Power, and Power Profile should stay at their default values.



4. In the Object Editor details for a Color Load, the most applicable Color Types for DALI are CCT (DT-6 tunable white) and DT8-TW (DT-8 tunable white). For DMX, all available color load types may be used. This setting must match the real luminaire device type.



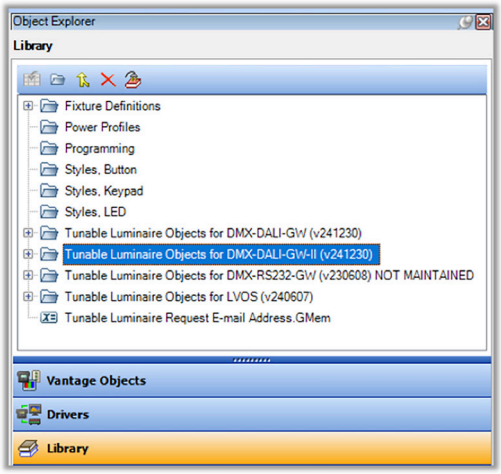
5. For all color types with Min. Temp and Max. Temp, values should match that of the real tunable white luminaire. Values for control channels must match the Group/Address IDs of the configured luminiare. Values of 1-16 will be available in DALI Group bus mode, and values of 1-64 will be available in DALI Address bus mode. Values of 65-512 will be available for DMX loads. The 2 Channel option should not be used with DALI.



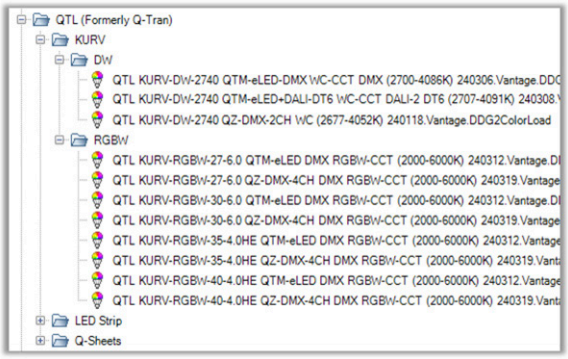
6. For a DALI DT8-TW color type, the Min. Temp and Max. Temp values should match that of the real DT8 tunable white luminaire. The device address value must match that of the configured DT8 device.

IMPORTANT NOTES

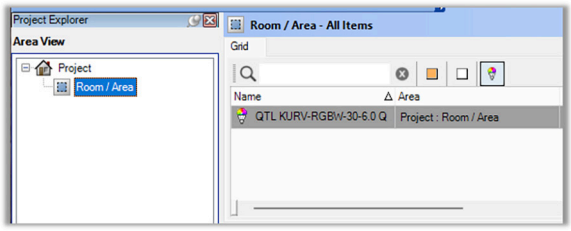
- KolorTune lighting load objects are pre-configured color loads that provide accurate load control of tunable white and full-color tunable luminaires.
  - These load objects are specific to manufacturer make and model as seen in the object name, and are specific the folders within which they are located.
  - DMX-DALI-GW and DMX-DALI-GW-II objects are unique to their parent object types and cannot be interchanged.
  - For the DMX-DALI-GW-II, only use KolorTune objects from the respective DMX-DALI-GW-II library folder.
- KolorTune lighting load objects contain specific configurations for Color Type, Min./Max. Temp., and Tunable Profiles that must remain per their default object settings.
  - Changing these settings could result in errant load behavior.
- If using DMX-DALI-GW-II hardware with a DMX-DALI-GW station object in an existing pre-4.11 project file, KolorTune objects from the DMX-DALI-GW folder must be used.
  - To request addition of new tunable luminaire models to the Library, double-click the **Request Email Address** object to view the address.



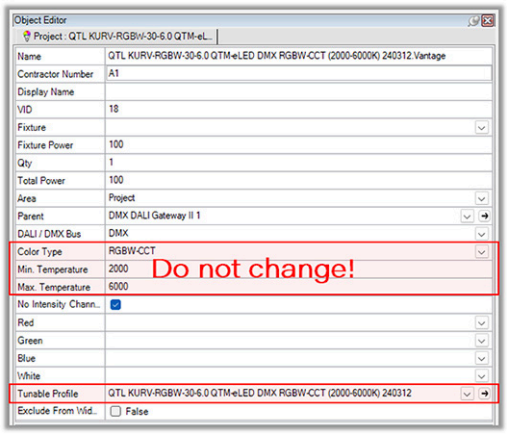
1. From within the Library view of Design Center, locate the Tunable Luminaire Objects for DMX-DALI-GW-II folder. Only objects within this folder are compatible with the DMX-DALI-GW-II.



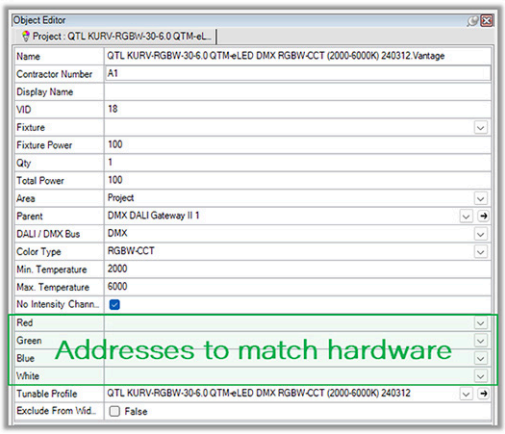
2. Folders within the main DMX-DALI-GW-II folder are listed by luminaire manufacturer. Some manufacturers have sub-folders based on product type. Object names may include [brand] [model] [driver] [protocol] [calibrated CCT range] [test date]. Observe spec details when selecting.



3. To import a KolorTune load object into a project, either click-and-drag the desired object into the destination room in Area View, or select an area/room in Area View and then double-click the object in the Library.



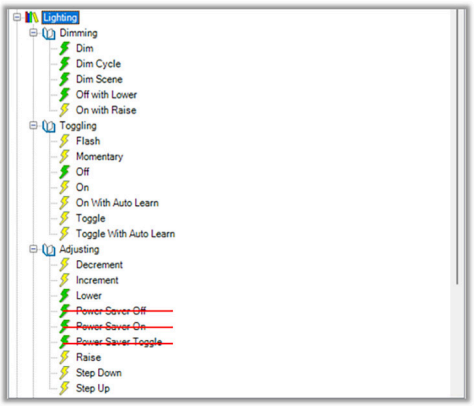
4. Each KolorTune load object is calibrated with specific settings seen in the Object Editor window. Do not change Color Type, Min./Max Temp., or Tunable Profile.



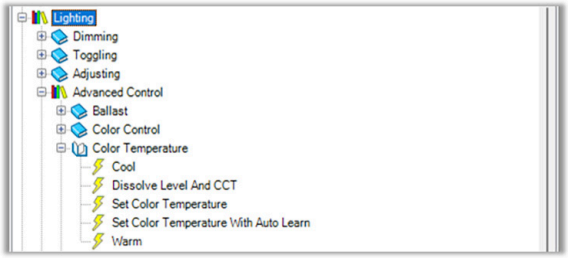
5. Control channel addresses must be entered to match the configuration of the luminaire hardware. The No Intensity Channel may need to be deselected if the luminaire supports a dedicated intensity control channel.

IMPORTANT NOTES

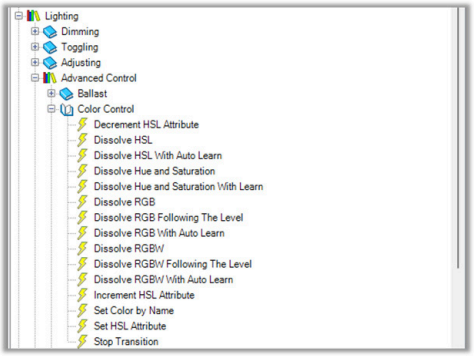
- When using procedures to control CCT Kelvin value, effective values are limited to the capability of the luminaire. Calibrated Min./Max. Temp. values seen in the Object Editor indicate the effective range of the luminaire.
- Any observed pink-shift of CCT, WC-CCT, or WWC-CCT type color loads cannot be adjusted due to the transition path of these luminaire types across the CIE color space.



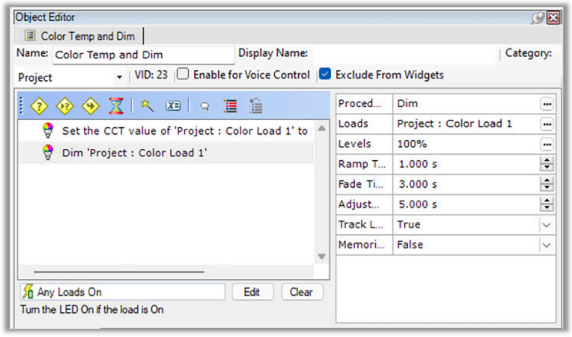
1. Procedures found in Lighting > Dimming / Toggle / Adjusting sub-folders can be used, with the exception of any Power Saver procedures - power profiles do not apply to color loads.



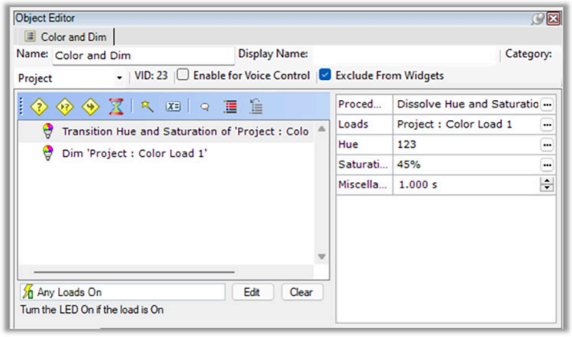
2. CCT control procedures are found in the Lighting > Advanced Control > Color Temperature sub-folder. Only color loads supporting Kelvin values (CCT, HSIC, x-CCT, and DT8-TW) may be used in these procedures.



3. Color control procedures are found in the Lighting > Advanced Control > Color Control sub-folder. Only color load types HSL, HSIC, RGB, RGBW, RGBW-CCT, and RGBWC-CCT may be used in these procedures. HSL and Hue & Saturation procedures are recommended for use.



4. When building tasks with both color temp and level control, place the color temp procedure before the level procedure. Ramp times for both procedures can be the same or different, per the desired behavior of the task. The LED Action can either reference load level or load CCT values, depending on the primary task function.



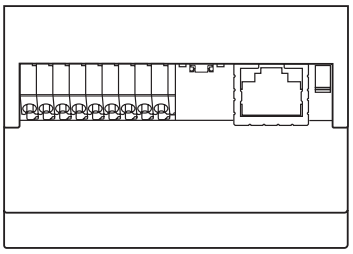
5. When building tasks with both color and level control, follow the same guidelines as with color temp and level (see Point 4). Parameter values include: Hue 0-359; Saturation 0-100; Red/Green/Blue/White 0-255. Hue values can be visualized as a color wheel with Red @0, Green @120, and Blue @240.

POST INSTALLATION (After loads have been commissioned)

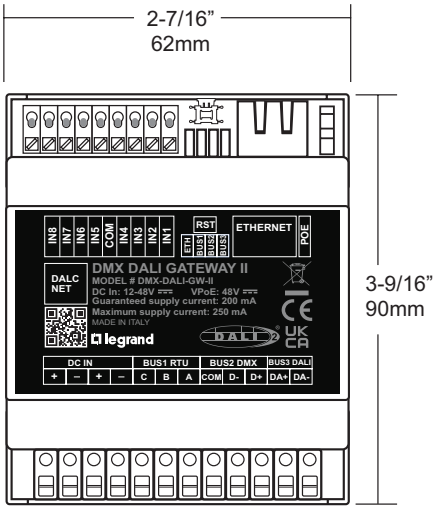
Changes to Pre-Commissioned Load Channels

- To change DMX or DALI commissioned channel assignments, after they have already been commissioned, communication between the DMX-DALI-GW-II station and the InFusion system must be closed. To stop communication with Vantage, Mute the buses using the Configuration tool. Type **http://192.168.1.225/config.html** or current IP address into a browser on the same network as the DMX-DALI-GW-II station. Click on **Bus 2** and check the box for **Mute** – repeat for **Bus 3**. Return to the configuration home page and click Save & Reboot for the Mute operation to be active.
- Once the channel assignments have been changed/re-commissioned, remember to un-mute buses 2 and 3 by following these same steps and un-checking the Mute box.

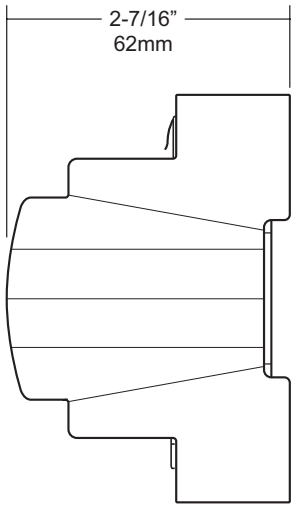
MULTI-VIEW LINE DRAWING



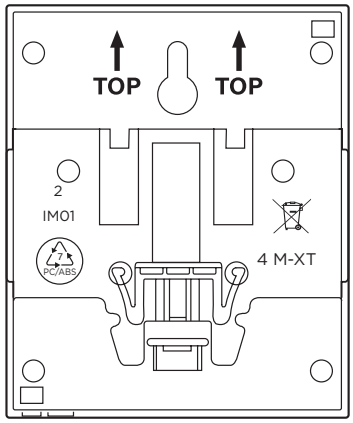
TOP VIEW



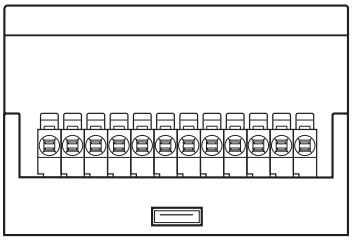
FRONT VIEW



SIDE VIEW



BACK VIEW



BOTTOM

WARRANTY INFORMATION

Vantage warranties its products to be free of defects in materials and workmanship for a period of five (5) years. There are no obligations or liabilities on the part of Vantage for consequential damages arising out of, or in connection with, the use or performance of this product or other indirect damages with respect to loss of property, revenue or profit, or cost of removal, installation or reinstallation.

INFORMATIONS RELATIVES À LA GARANTIE

Vantage garantit que ses produits sont exempts de défauts de matériaux et de fabrication pour une période de cinq (5) ans. Vantage ne peut être tenu responsable de tout dommage consécutif causé par ou lié à l'utilisation ou à la performance de ce produit ou tout autre dommage indirect lié à la perte de propriété, de revenus, ou de profits, ou aux coûts d'enlèvement, d'installation ou de réinstallation.

INFORMACIÓN DE LA GARANTÍA

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VANTAGE

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