

24 Channels CV DMX512 Decoder with DIP Switch

Model No.: GDE2404HF

DIP Switch/2 PWM frequency/24 Channels Output

Features

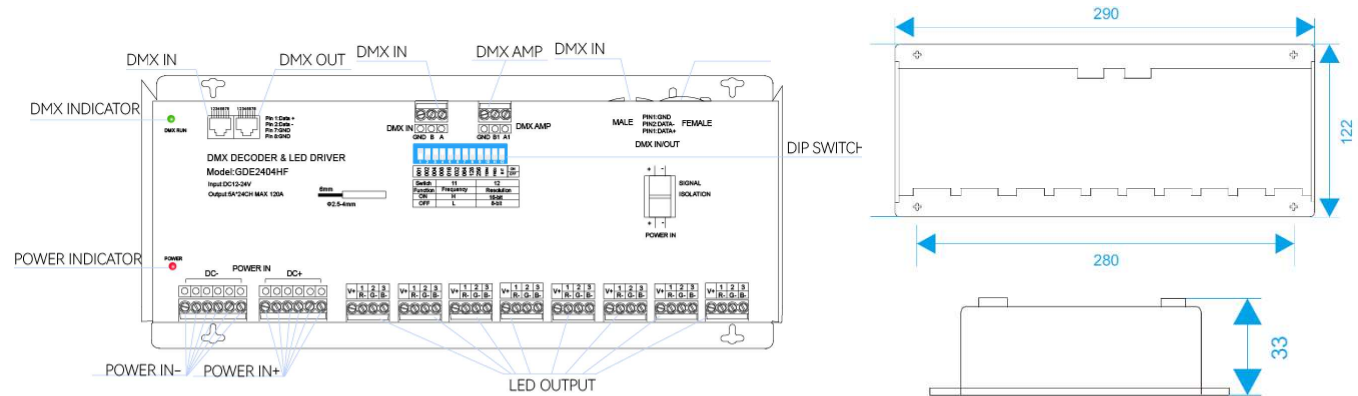
- Comply with the DMX512/1990 standard protocols.
- With RJ45 and XLR interface for DMX IN/OUT selectable.
- Converts standard DMX signal to hi-frequency PWM-for 12V-24V LED lights
- 16bit (65536 levels) /8bit (256 levels) grey level selectable.
- PWM frequency 5K/30KHz selectable.
- Can achieve asynchronous color changes effect under working with controller.
- Setting the DMX address freely with Dip Switch.
- The 8 output terminals provide 8 independently controllable 3 channels of constant-voltage PWM dimming.



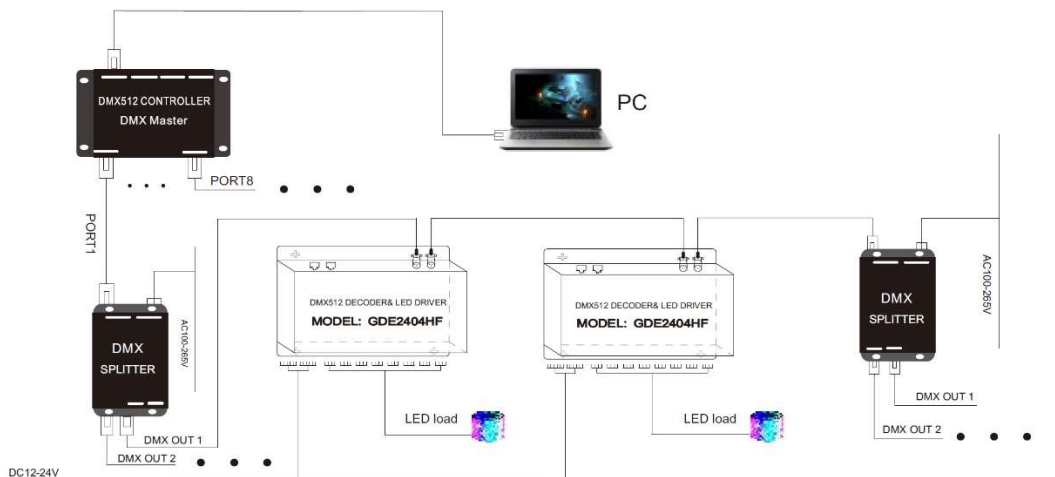
Technical Parameters

Input and Output		Grey Levels and PWM Frequency		Environment	
Input voltage	12-24VDC	Grey Levels	16bit (65536 levels)/ 8bit (256 levels)	Operation temperature	Ta: -30 °C ~ +55°C
Output current(Max.)	24CH×5A@12-24V	PWM Frequency	5K/30KHz	IP rating	IP40
Output power(Max.)	1440W@12V 2880W@24V	Size and Weight		Input and Output Connectors	
Output type	Constant voltage	Size	L290×W122×H33mm	DMX IN/ OUT	RJ45/XLR
		Gross weight	780g	Power in/LED Out	Phoenix Connector

Mechanical Structures and Installations



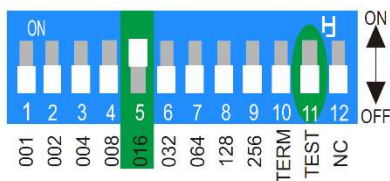
Wiring Diagram



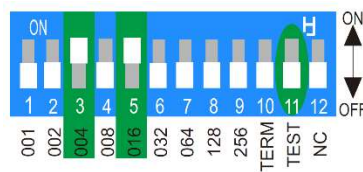
Operation

- 1.DMX Signal IN/OUT interface: RJ45 / 3 Pin screws / 5 Pin XLR connector.
- 2.Specially 3 Pin screws interface with signal amplifier function.
- 3.DMX address encode with Dip-Switch(NO.1 to NO.9), comply to universal DMX512 dial code.
- 4.Dip-Switch NO.10 is TERM for whole signal circle.
- 5.Dip-Switch NO.11 for Frequency option ON: 30KHz(H) OFF: 5KHz(L)
- 6.Dip-Switch NO.12 for Bit option: ON: 16bit OFF: 8bit
- 7.NO.11 and NO.12 change, come into operation when Re-Power on.
- 8.POWER IN DC12-24V, common anode constant voltage output, can meet all kinds of full color module and monochrome module and automatically according to the lamps module load adjust output current, each channel maximum current not more than 5 amps.
9. SELF-TESTING: put all Dip-Switch NO.1 to NO.9 OFF, full channels output 3 seconds, then each color gradient.

E.g. 1 : Set Initial Address to 16.

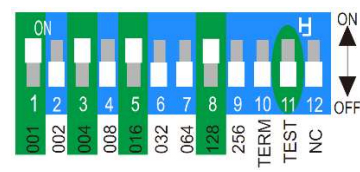


E.g. 2 : Set Initial Address to 20.



004+016=20

E.g. 3 : Set Initial Address to 149.



001+004+016+128=149

Safety Information

- 1.Install in accordance with national and local electrical code regulations.
2. This product is intended to be installed and serviced by a qualified, licensed electrician.
3. The working voltage for the decoder is DC12-24V, DO NOT connect to high voltage power. Install with a compatible constant voltage power supply or battery with appropriate voltage.
4. Only install compatible 12VDC-24VDC constant voltage luminaires. Make sure to match power supply voltage to the requirements of the LED light. Ignoring this could lead to a potential fire hazard.
5. This product is rated for indoor use only and is not protected against moisture.
6. Choose an appropriate wire gauge for the maximum potential current load, given your choice of power supply and lights. Keep in mind that the sum total current for all channels is carried over the shared LED+ terminal, so the total current over the LED+ conductor is typically the determining factor in cable choice.
7. Ensure that power is disconnected whenever inserting or removing wires in screw terminals, or connectors in sockets.
- 8 Ensure that all screw terminals are tightened and all connectors are fully inserted while in operation.