

## Features

HDL-MC48DMX.231, 48 channel DMX show controller with DMX1990 protocol . Design to control the RGB LED Strips, RGB Lights and other DMX device.

- 48 channel , maximum 48 separate area
- 0 - 99 scenes can be set in each area , scene running time up to 60 minutes
- Totally 99 sequences , 4 running modes are available for each sequence: forward、backward, forward & backward, random.
- DMX512 ( 1990 version )
- Support Art net / HDL Net DMX protocol
- Low Threshold, High Threshold, Maximum Threshold are all available for each channel for different devices
- Each channel has Light protection delay time (0-25 seconds)
- Each channel has protection delay time for power On after power Off (0-60 minutes)
- Gateway between HDL-Bus and Ethernet

## Important Notes

- Installation – DB Box
- Bus cable- HDL Bus/KNX Cable, 0.8mm Single Core Copper cable
- Bus Connection - Series connection (hand by hand)
- DMX Cable – Shielded twisted cable , less than 200 meters length
- DMX device - less than 32 DMX devices

## Product Specification

- Working Voltage : DC12-30V
- BUS Power Consumption : 40mA/DC24V
- RJ45 Connection : RJ45- UDP/IP network Interface
- Dimension : 72mm×90mm×66mm
- Installation : Standard 35mm DIN Rail
- CE Certification
- Working Temperature : 0~45°C
- Working Relative Humidity : 20%~90%
- Storage Temperature : -40°C~+55°C
- Storage Relative Humidity : 10%~93%
- Protection Degree: IP20

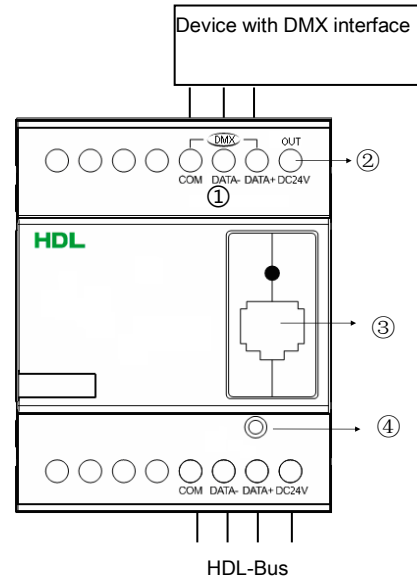


### Safety Attention

- Screw down strength is less than 0.4Nm
- Do not make wrong connection on Bus interface, it will damage the Bus interface this module
- Do not get AC240V voltage into Bus wire , it will damage all of devices in system
- Assure a good ventilation circumstances
- Rain, liquid, and aggressive gas are not allowed to close to it

## Type

HDL-MC48DMX.231



- ① DMX signal output , 1990 version
- ② DC24V output , supply DC24V voltage from Bus.
- ③ RJ45 connection : UDP/IP interface
- ④ Button and Indicator : Flickering in green color when the module is working fine.

Keep pressing for 10S, it turns to red color, the module will be restored into default setting from factory.

Default setting parameters :

IP : 192.168.10.250  
 ROUTER IP : 192.168.10.1  
 Port : 6000

## Setting of Network Parameter :

48 channel Scene/show controller has a default IP-192.168.10.250 , the port is 6000。 Please change the user PC IP into a same IP segment.

Steps for change IP address :

1. Modify the IP address of the User PC into 192.168.10.\*\* ( \*\* means any ) 。
2. Open the "HDL-BUS Pro Set Up tool" , find the device , change the IP address into a same IP segment of the user PC. Finish and save.
3. Change the IP address of the user PC back to previous IP.
4. Power the device off, then the new IP address will be available after power on.

## HDL-Bus Definition for cable

CAT5/CAT5E	Bus	HDL Bus/KNX Cable
Brown White/ Orange White	COM	Black
Blue white/ Green White	DATA-	White
Blue/Green	DATA+	Yellow
Brown/Orange	DC24V	Red