Parameters

Electrical Parameters:

Working voltage	DC12~30V
Buspro power consumption	40mA/DC24V
Signal interface	HDL Buspro, RJ45
RJ45 connection	RJ45-UDP/IP network interface

Environmental Conditions:

Working temperature	-5℃~45℃
Working relative humidity	Up to 90%
Storage temperature	-20℃~+60℃
Storage relative humidity	Up to 93%

Approved

CE
RoHS

Product Information:

Dimensions	72×90×66 (mm)
Weight	141.5g
Housing material	Nylon, PC
Installation	35mm DIN rail installation
Installation Position	Distribution box (DB)
Protection degree	IP20

HDL Buspro Definition for Cable

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

Important Notes

- Buspro cable – CAT5E or HDL Buspro/KNX cable
- Buspro Connection – Series connection (hand-in-hand)
- DMX Cable – Shielded twisted cable, less than 200 meters
- DMX device - less than 32 DMX devices

Overview

SB-DN-48DMX 48-channel DMX show controller with DMX1990 protocol. It is designed to control the RGB LED Strips, RGB Lights and other DMX devices.
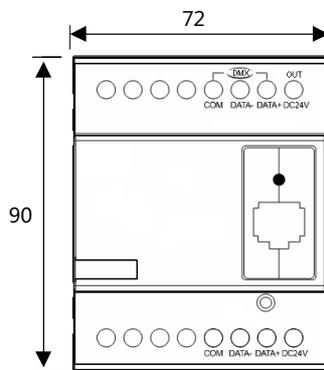
Functions

- 48-channel , maximum 48 separate areas
- 0-99 scenes can be set in each area, each scene has up to 60 minutes of running time
- Total 99 sequences , 4 running modes are available for each sequence: forward, backward, forward & backward, random
- DMX512 (1990 version)
- Supports 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)
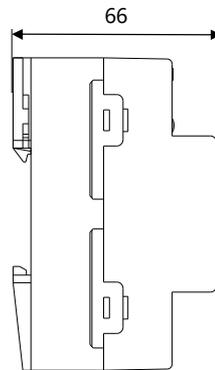- Gateway between HDL Buspro and Ethernet

Installation Step

- 35mm DIN rail installation, inside DB Box.
- Connect HDL Buspro cable, RJ45 cable.
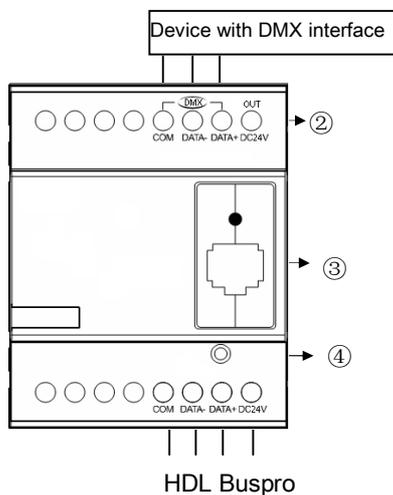- Check the connection, avoid any mistakes.

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Dimensions and Wiring

Front View

Side view

Device with DMX interface

HDL Buspro

① DMX signal output, 1990 version

② DC24V output, supply DC24V voltage from Buspro.

③ RJ45 connection: UDP/IP interface

④ Button and Indicator: Flickers in green when the module is working properly.

Keep pressing for 10S, it turns to red, 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 Parameters:

48-channel scenes/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 Buspro 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.

Safety precaution ⚠ WARNING

- The screw down strength should not exceed 0.4Nm
- Do not make wrong connection on Buspro interface, it will damage the Buspro interface of this module
- Never let liquids get into module, it will damage this device
- Do not get AC power into Bus wire , it will damage all devices in the system
- Avoid contact with liquids and aggressive gases

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