controlCUE-dmx-d
CS0456

cue

Description

- DMX512 port 1 (input/output)
- DMX512 port 2 (input/output)
- DMX512 port indicators
- Versatile port indicators
- Power, link and CPU indicators
- IR capture sensor
- Serial port indicator
- Versatile ports
- Bi-directional serial port
- Power supply 24 VDC
- System Default button
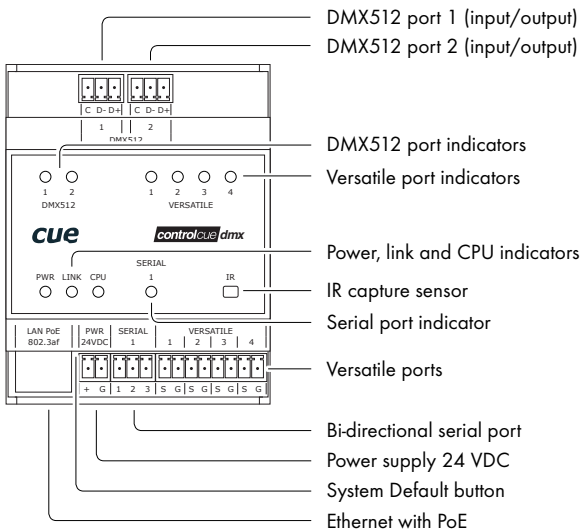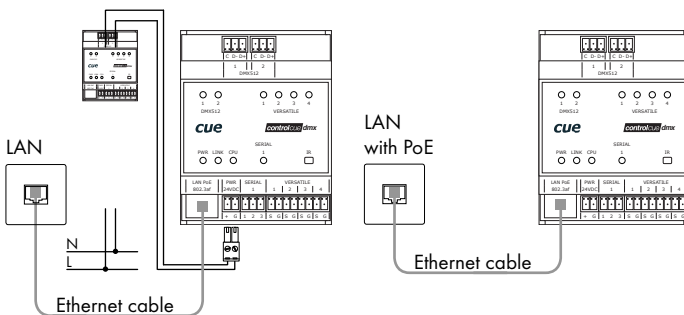- Ethernet with PoE
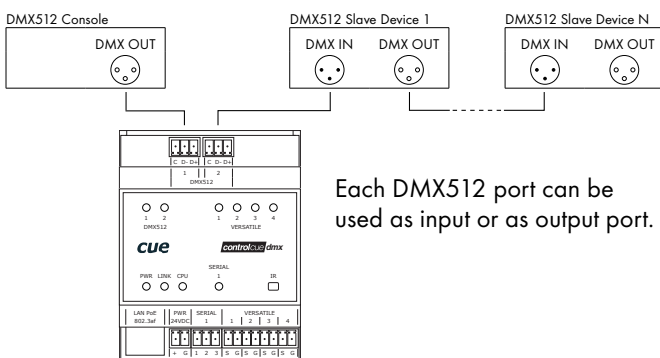
Power Supply and LAN Connection

Power Supply 24 VDC
(delivered DIN rail power supply)

PoE Power Supply

Note: use only one of the power ways, do not connect the 24V power supply if you are using PoE.

DMX512 Port Usage Example

Each DMX512 port can be used as input or as output port.

System Default Setup

When System Default button is pressed longer then 5 sec., the system default function is performed and setup is as follows

- IP address: from DHCP (192.168.1.127 without DHCP)
- IP Mask: from DHCP (255.255.255.0 without DHCP)
- Password: Empty (no input required)

Connector Pinouts

PWR 24 VDC

Pin	Description
+	Power +24 VDC
G	Ground

SERIAL 1

Pin	RS-232	RS-485
1	TxD	A+
2	RxD	B-
3	Ground	Ground

DMX512 1 - 2

Pin	Description
D+	Data +
D-	Data -
C	Signal Common

VERSATILE 1 - 4

Pin	Description
1 S	Versatile 1 - signal
1 G	Ground
2 S	Versatile 2 - signal
2 G	Ground
3 S	Versatile 3 - signal
3 G	Ground
4 S	Versatile 4 - signal
4 G	Ground

Versatile Ports Usage

Input modes	
Digital input	Adjustable threshold
	• High sensitivity binary 0 < 1.45 V, binary 1 > 2.05 V
	• Low sensitivity binary 0 < 5.8 V, binary 1 > 8.2 V
	Input impedance >100 kΩ
	Adjustable digital filter
Pulse counter	Adjustable threshold as above
	Input impedance as above
	Pulse length min. 1 ms, max. frequency 500 Hz
	Max. number of pulses 2 147 483 647 (Long)
	Adjustable digital filter
Voltage input	Range 0 ÷ 2.5 VDC, 0 ÷ 10 VDC, auto
	Input impedance >100 kΩ
	Resolution 10-bit
	Adjustable digital filter
	Accuracy ±1 % of range (digital filter applied)
Resistance input	Range 2 kΩ, 20 kΩ, 200 kΩ, auto
	Resolution 10-bit
	Adjustable digital filter
	Accuracy ±1 % of range (digital filter applied)

Output modes	
Digital output	Max. sink current 200 mA / max. 30 VDC
	Catch diodes for use with inductive load
Current pull-up	Current-source pull-up 9 mA (max. 10 V)
Current pull-down	Current-source pull-down -9 mA (max. -10 V)
IR output	Maximum IR carrier frequency 500 kHz
	Up to 3 original IR Adapter /i in parallel
Serial output	RS-232
	Serial data baud rate 300 Bd ÷ 115 200 Bd (bps)

User Manual

Complete user manual can be downloaded here:
http://www.cuesystem.com/user_manuals.aspx