SYMPL bridge Node

e:cue Interfaces

Lighting applications are heterogenous by nature. e:cue interfaces serve to integrate many networks, protocols and third party products into e:cue solutions. They also aid in applying special control functions for fixtures, they integrate analog or mechanical signaling into the digital world and offer bridging functions. e:cue interfaces are the links to bring together the many techniques and technologies of lighting control.

e:cue SYMPL bridge Node

The SYMPL bridge Node is a Art-Net / e:net / sACN to DMX / e:pix interface. Switch between two input sources on the fly. It comes with 8 x DMX / e:pix universes over screw terminal plugs. The SYMPL bridge Node makes it possible to run up to 4096 DMX channels (= 1360 RGB pixels, 170 pxl/universe) via DMX universes and up to 16,384 DMX channels (= 5456 RGB pixels, 682 pxl/universe) via e:pix universes. The SYMPL bridge Node supports up to 32 Art-Net / sACN universes. It is especially designed for projects in tough outdoor environments. Connection to the server runs via Ethernet interface with 100 Mbit/s. The Bridge can be powered by an external power supply or via Power-over-Ethernet. It is easily mounted on standard 35 mm DIN rails, or with a key hole in the housing base on walls or on any stable vertical surface. The SYMPL bridge Node is a simple, reliable and easy to use interface solution for e:cue's lighting control solution SYMPHOLIGHT.

Highlights

- Art-Net / e:net / sACN to DMX / e:pix interface with 8 x DMX512 / e:pix outputs
- Supports up to 32 Art-Net / sACNuniverses
- sACN in unicast or multicast mode
- Flexible mounting on 35 mm DIN rails or vertical surfaces
- Simple and easy integration in e:cue SYMPHOLIGHT
- Extended operating temperature -40 ... 70°C
- Backup-mode on data loss
- Integrated protection against surge; Highly isolated outputs
- Reverse polarity protection
- Power-over-Ethernet
- Test mode via button
- Web interface for status and configuration

Delivery scope

	Identcode
• e:cue SYMPL bridge Node	AM356970031
• Safety instructions, Welcome note	

Optional accessories

• Power supply 15W 24V DIN rail	AM1884100HA

Product specifications

Dimensions (W x H x D)	143 x 92 x 62 mm/ 5.63 x 3.6 x 2.4 in (excl. fastening clip)
Weight	250 g / 0.55 lb
Power supply input	24 ... 48 V DC (terminal plug), cable cross section: 0.205 – 3.31 mm², reverse polarity protection or PoE IEEE 802.3af on RJ45
Power consumption	max. 8 W (incl. DMX termination)
Operating temperature	-40 ... 70 °C */ -4 ... 158 °F *
Storage temperature	-40 ... 70 °C / -4 ... 158 °F
Operating / storage humidity	0 ... 80% RH, non-condensing
Protection class	IP20
Electrical safety class	SELV
Housing	Self extinguishing blend PC/ABS UL E140692
Mounting	on 35 mm DIN rail (EN 60715), or with key hole on any stable vertical surface

Interface specifications

Interfaces	8 x DMX512 / 8 x e:pix isolated in pairs, surge protection, 3-pin terminal plug cable cross section: 0.081 – 1.31 mm²
Interface specifications	V_{DMXmax}/V_{DMXmin} = 4.6 V/0.8 V Short circuit protected: I_{SCmax} = 100 mA
Ethernet-Port	1 x e:net 10/100 Mbit/s RJ45, surge protection
Sensors, internal	Temperature -40 ... 120 °C (±0.2 °C) / -40 ... 248 °F (±0.36 °F) Humidity 0 ... 100% (±2%)

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User interfaces	LEDs for Test / Error, Ethernet activity, device status, DMX status Identify button, Test button

*) 70 °C / 158 °F for max. 1 hour/day;
continuous operation at max. 60 °C / 140 °F.

Conforms to ANSI/UL Std. 62368-1
Certified to CSA Std. C22.2 NO. 62368-1
Intertek
4000805

Dimensions

All measures in mm