



Artistic Licence

## Art-Net Gateways

Art-Net 4 is an award-winning data distribution protocol that allows DMX512 and RDM lighting data to be transported over an ethernet network. Art-Net is owned and copyright by Artistic Licence Holdings Ltd. Artistic Licence has published the specification and made it available for anyone to use on a royalty-free basis, subject to certain conditions (see <https://art-net.org.uk/>).

ART  
NET  
ETHERNET

**While many companies design and sell Art-Net enabled products, the implementation of the protocol varies greatly...**

### Why choose an Artistic Licence gateway?

- Native implementation of Art-Net 4, giving access to powerful features not offered in earlier releases (but fully backwards compatible with versions 1-3)
- Order of magnitude increase in processing power compared to older generation products allows effortless operation on networks with congested broadcast data
- Self-healing electrically protected outputs can withstand accidental connection to all international mains voltages, including UK 3-phase (premium models only)
- Pre- and after-sales advice, service and technical back-up from the team that invented Art-Net
- Artistic Licence customers can download a free copy of DMX-Workshop, our multi-functional management, analysis, configuration and diagnostics tool for Art-Net networks



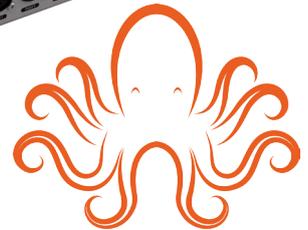
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[www.ArtisticLicence.com](http://www.ArtisticLicence.com)



# rackLynx octo (skinny rack)

- Art-Net/sACN to DMX/RDM gateway
- 8 outputs, transient protected
- 10/100BaseT Ethernet Port (Ethercon)
- 1U 19" rack mount with ultraslim 50mm profile
- Power/ethernet LED indicators
- Neutrik Ethercon & XLR5 connectors
- RDM filter
- DHCP or static IP
- RDMnet - LLRP



# artLynx range (DIN rail mount)

## artLynx duo



- Art-Net / sACN to 2 DMX512/RDM universes
- 10/100BaseT Ethernet Port (RJ45)
- DHCP / Static IP / LLRP negotiation
- Power: PoE (IEEE 802.3af-2003 ) or DC input (9 to 48V)
- Self-healing DMX512 ports protected from mains electrocution (425 VAC continuous)
- Screw terminal DMX512 connectors
- Factory reset switch & squawk function
- RDM enable per output
- Power, network & DMX activity LED indicators

## artLynx quad



- Art-Net / sACN to 4 DMX512/RDM universes
- All the features of artLynx duo, PLUS:
  - All ports are bidirectional and can also convert DMX to Art-Net/sACN
  - Failsafe mode (playback scene on loss of network data)
  - Supports RDM Integrity

## artLynxRJ45

- All the features of artLynx quad
- DMX512 connectors are all RJ45 for easy installation

# dataLynx range (rack mount)

## dataLynx standard

- Art-Net / sACN to 12 DMX512/RDM universes
- All ports are bidirectional and can also convert DMX to Art-Net/sACN
- 10/100BaseT Ethernet input
- Self-healing DMX512 ports protected from mains electrocution (425 VAC continuous)
- Neutrik XLR5 or XLR8 DMX512 connectors (XLR3 on request)
- Power, Ethernet & DMX512 port LED indicators
- Default IP address 2.x.y.z
- Configurable using internal web-browser or DMX-Workshop
- DHCP or static IP or LLRP negotiation
- Failsafe mode - playback scene on loss of network
- Factory reset switch & squawk function
- Supports RDM Integrity
- IEC power connector (UL approved PSU)



## dataLynx extreme

- As standard model, PLUS:
  - Electrical surge protection

## dataLynx SFP

- SFP input slot enables gigabit connections (SFP module not included)
- Available in standard and extreme variants

# netLynx quad (ABS plastic case)

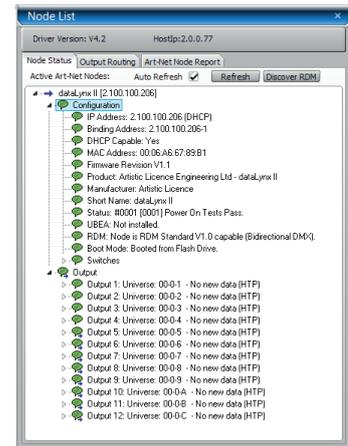
- Art-Net / sACN to 4 DMX512/RDM universes
- All ports are bidirectional and can also convert DMX to Art-Net/sACN
- All the features of artLynx quad
- XLR5 DMX512 connectors
- XLR4 power connector (9-48 VDC or PoE)



# DMX-Workshop

*A Windows application developed by Artistic Licence for network configuration, diagnostics and management*

- DMX-Workshop supports Art-Net, sACN, DMX512, RDM, DALI, Art-Osc, VLC and MIDI
- Widely used by engineers, technicians and product developers
- Free **download** from the Artistic Licence website



## Setting new standards...

*Artistic Licence is pleased to support RDM Integrity, the compliance testing software from Benjamin Electric, into all its Art-Net 4 gateways (artLynx duo and rackLynx octo excepted).*

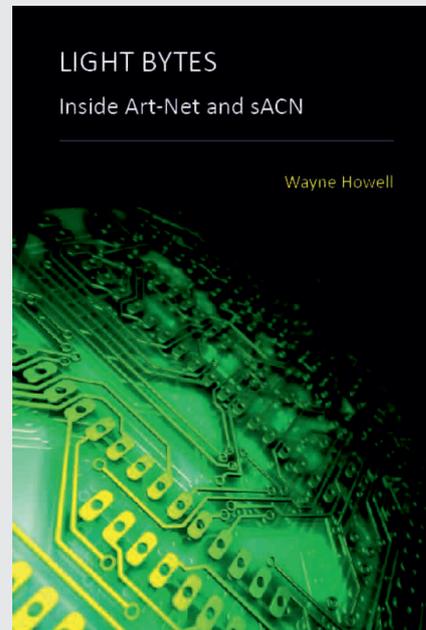
### RDM Integrity

*RDM compliance testing software from Benjamin Electric Co.*



- Aimed at manufacturers/developers
- Tests for compliance with E1.20-2010
- Pass, Advisory, Warning or Fail
- Decoded parameter data & PIDs allow quick identification of problem
- Customers who have purchased RDM Integrity can use premium Artistic Licence gateways to unlock its powerful RDM and Art-Net testing capabilities.

[www.benjaminmartpower.com/rdm.html](http://www.benjaminmartpower.com/rdm.html)



**Light Bytes  
Inside Art-Net and sACN**

*“Light Bytes - Inside Art-Net and sACN” - is enjoying strong international sales as the first practical reference on the Art-Net and sACN lighting protocols.*

*The book’s author, Wayne Howell, is CEO of Artistic Licence and the inventor of Art-Net. He is actively involved in the ESTA standards programme.*

*Buy a copy **direct** from the Artistic Licence website.*



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# Gateway Feature Comparison Table

Product	Format	Input	Ports	Art-Net	sACN	LLRP	DMX512	RDM	Mains powered	Transient protected	Electrocution protection	Lightning protection	Fallover playback	Supports RDM Integrity	Output activity indicators	Ports allow DMX Input	Output connectors
artLynx duo	DIN Rail	RJ45 10/100BaseT	2	•	•	•	•	•	•	•	•				•		Screw terminals
artLynx quad	DIN Rail	RJ45 10/100BaseT	4	•	•	•	•	•	•	•	•		•	•	•	•	Screw terminals
artLynx RJ45	DIN Rail	RJ45 10/100BaseT	4	•	•	•	•	•	•	•	•		•	•	•	•	RJ45
dataLynx II	1U Rack	Ethercon 10/100BaseT	12	•	•	•	•	•	•	•	•		•	•	•	•	XLR3/ XLR5/ RJ45
dataLynx II extreme	1U Rack	Ethercon 10/100BaseT	12	•	•	•	•	•	•	•	•	•	•	•	•	•	XLR3/ XLR5/ RJ45
dataLynx II SFP	1U Rack	SFP 10/100/1000BaseX	12	•	•	•	•	•	•	•	•		•	•	•	•	XLR3/ XLR5/ RJ45
netLynx quad	Case	Ethercon 10/100BaseT	4	•	•	•	•	•	•	•	•		•	•	•	•	XLR5
rackLynx octo	1U Skinny Rack	Ethercon 10/100BaseT	8	•	•	•	•	•	•	•	•						XLR5