

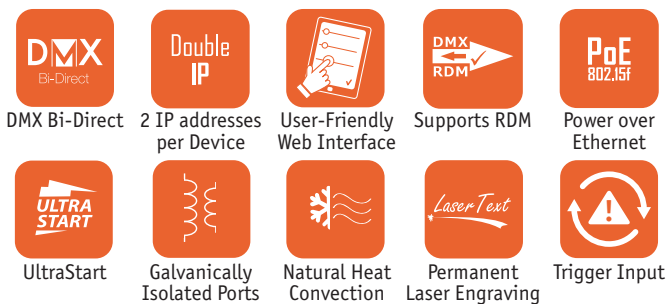
ArtGate DIN

Bidirectional DMX<->ArtNet/sACN converter, splitter, booster, intelligent merger

Version: 2.02
18 Aug 2017



DIN mounted multifunctional converters that translate Ethernet protocols (ArtNet, sACN) into DMX to control more lighting fixtures through single Ethernet LAN 10/100Base-T link. Trigger inputs provide ability to launch pre-programmed DMX scenarios when triggers (e.g. fire alarm) are activated even if the console is down. Two RJ-45 Ethernet inputs and pluggable 15EDGVC terminal blocks for seamless connection. Up to 8 DMX outputs per one device, second Ethernet port adds cascading availability through integrated switch. May be powered through Ethernet (PoE) without power cabling.



Advantages

Support PoE

Minimum loading time, fastest recovery after short power failure

Master IP that never gets lost

Alarm triggered pre-programmed scenarios

Full protection from dust and smoke increases product lifetime

Maximum surge protection from 100 to 315 V

Full galvanic isolation of all ports

Simple user-friendly web interface

Configurable DMX port direction

Merging Options

HTP: highest takes precedence

LTP: latest takes precedence

AUTO: last modified takes precedence – intelligent merging mode that provides availability to manage installation from two consoles simultaneously

OVERLAY: merges custom slots from two ArtNet/sACN streams, fully customized through web interface

PRIORITY: for sACN streams with priority tag, console with the highest priority for a given Universe will be in charge

Application

Convert DMX512 into ArtNet and sACN protocols in both directions to transmit DMX data through Ethernet LAN

Transmit more DMX streams with less cables

Lighting control and management through single Ethernet network

Convert mapped video content from mapping software into DMX streams

Ensure interfacing between modern stage lighting software and DMX lighting

Real-time control of video projectors and laser units supporting ArtNet or sACN from DMX console



Networking Solutions
for Entertainment
and Theatrical Lighting

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Technical Specifications

Mechanical

- Housing: DIN mounted case (12 modules)
- Material: Metal, Plastic
- Dimensions, mm: 210(D) x 105(H) x 75(W)
- Mass: 0.85 kg
- Mounting: Power cabinet

Power & Electrical

- Power supply: ~90-250 VAC, 50/60 Hz, PoE (optional)
- Input Power (max): 5 W
- Mains Fuse: 0.5 A

Environmental

- Operating Temperature: -40...+70°C
- Storage Temperature: -50...+80°C
- Operating Relative Humidity (max): 95%
- IP Rating: IP 20
- Certification: CE, RoHS
- Warranty: 36 Month (Return to base)

Control / Data Connections

- Supported protocols: ArtNet I, II, III, IV/ sACN, DMX512, RDM
- Data refresh rate: 44 Hz

Inputs / Outputs

- DMX ports: 4 or 8 isolated
- DMX connectors: Terminal blocks 15 EDGVC
- Ethernet port: 1 or 2 (10/100 Base-TX)
- Ethernet connectors: 1 or 2 RJ-45
- Trigger inputs: 2

Configuration / Indication

- Setup: Web interface
- Indication: LEDs for DMX and Ethernet activity

Package Contents

- ArtGate DIN
- Connectors kit
- User guide

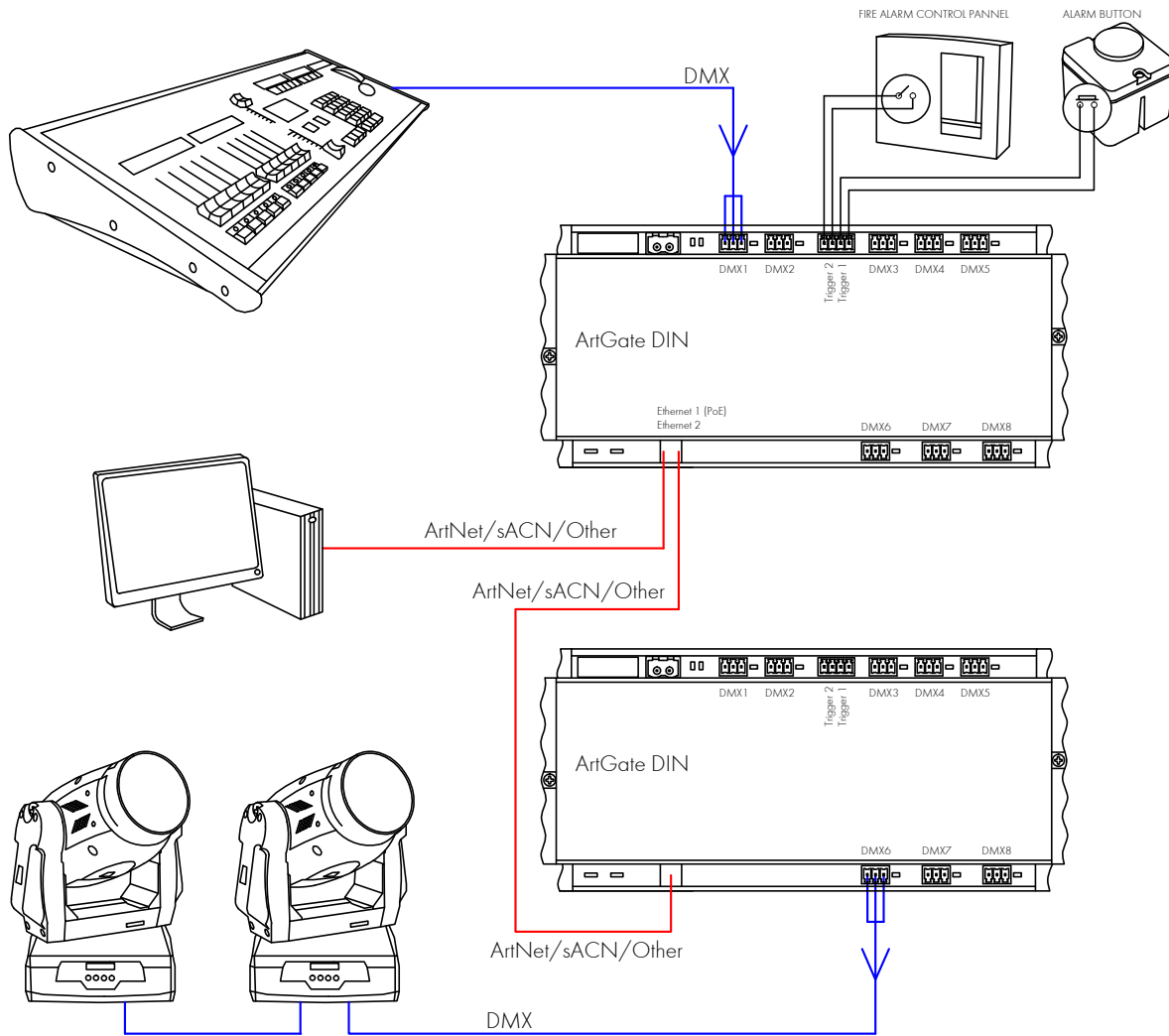
Product Line

Name	Modification	Product code
ArtGate DIN	4 DMX inputs/outputs, 1 Ethernet port	AGD-1-4DE
	4 DMX inputs/outputs, 2 Ethernet ports, PoE	AGD-1-4D2E
	8 DMX inputs/outputs, 1 Ethernet port	AGD-1-8DE
	8 DMX inputs/outputs, 2 Ethernet ports, PoE	AGD-1-8D2E

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Connection Scheme



Accessories

Name	Product code
DIN rail mounting kit	MCA-1-DIN
Waterproof box (IP65)	MCA-1-IP65
Ethernet Cable 3m	DMX-ACC-ETH-0300

Disclaimer

To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. No liability accepted for errors or omissions. Always make sure to use the most recent release and contact Sundrax Electronics to verify correctness before placing your order.