



ArtGate DIN

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

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

 DMX Bi-Direct	 2 IP addresses per Device	 User-Friendly Web Interface	 Supports RDM
 UltraStart	 Galvanically Isolated Ports	 Natural Heat Convection	 Permanent Laser Engraving
 Power over Ethernet	 Trigger Input		

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

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Version: 3.00
15 nov 2019

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

DMX refresh rate: 44 Hz

Inputs / Outputs

DMX ports: 4 or 8 isolated

DMX connectors: terminal blocks 15 EDGVC

Ethernet ports: 2 (10/100 Base-TX)

Ethernet connectors: 2x RJ-45

Trigger inputs: 2

Configuration / Indication

Setup: web-interface

Indication: LEDs for DMX and Ethernet activity

Package Contents

ArtGate DIN

Connectors kit

Product Line

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



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Connection Scheme

