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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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

SUNDRAX
electronics

+ 44 (0) 208 991 33 19
office@sundrax.com
www.sundrax.com

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Connection Scheme

FIRE ALARM CONTROL PANNEL

ALARM BUTTON

DMX

DMX1   DMX2   Trigger 2   Trigger 1   DMX3   DMX4   DMX5

ArtGate DIN

Ethernet 1 (PoE)
Ethernet 2

DMX6   DMX7   DMX8

ArtNet/sACN/Other

ArtNet/sACN/Other

DMX1   DMX2   Trigger 2   Trigger 1   DMX3   DMX4   DMX5

ArtGate DIN

DMX6   DMX7   DMX8

ArtNet/sACN/Other

DMX