ArtGate Pro

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

Rack mounted ArtGate PRO is smart solution to transmit more DMX universes through single Ethernet LAN 10/100Base-T link since most lighting consoles and lighting software in the market already have ArtNet output by default.

Merges two incoming ArtNet streams as well as any combination of ArtNet and DMX streams into DMX output for perfect show backup. All DMX ports may be used as inputs or outputs. Compatible with any hardware and software supporting ArtNet and sACN protocols. Configuration is performed through web-based management page and ArtGate Manager utility. Comes in 2-port, 4-port, and 8-port modifications with 12-and 16-port options as ArtGate PRO Deluxe.

Key Features

DMX Bi-Direct	2 IP addresses per Device	User-Friendly Web Interface	Supports RDM
UltraStart	Galvanically Isolated Ports	Natural Heat Convection	

Advantages

Minimum loading time, fastest recovery after short power failure

Master IP that never gets lost

Natural heat convection, no fans or coolers, no vent slots – full protection from dust and smoke increases product lifetime

Maximum surge protection – power supply optimized for voltage from 100 to 315 V

Full galvanic isolation of all ports

Simple user-friendly web interface

Configurable DMX port direction

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

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

ArtGate Pro

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

Technical Specifications

Mechanical

- Housing: Solid case
- Material: Metal
- Dimensions, mm: 482(D) x 44(H) x 110(W)
- Mass: 1.2 kg
- Mounting: Rack 1 unit

Power & Electrical

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

Environmental

- Operating Temperature: 0…+60°C
- Storage Temperature: -50…+70°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: 2, 4 or 8
- Connectors: 2 dual XLR (M+F) + 0, 2 or 6 XLR(F) (5 pins, 3 pins)
- Ethernet port: 10/100 Base-TX
- Ethernet connectors: RJ-45/ EtherCon

Configuration / Indication

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

Package Contents
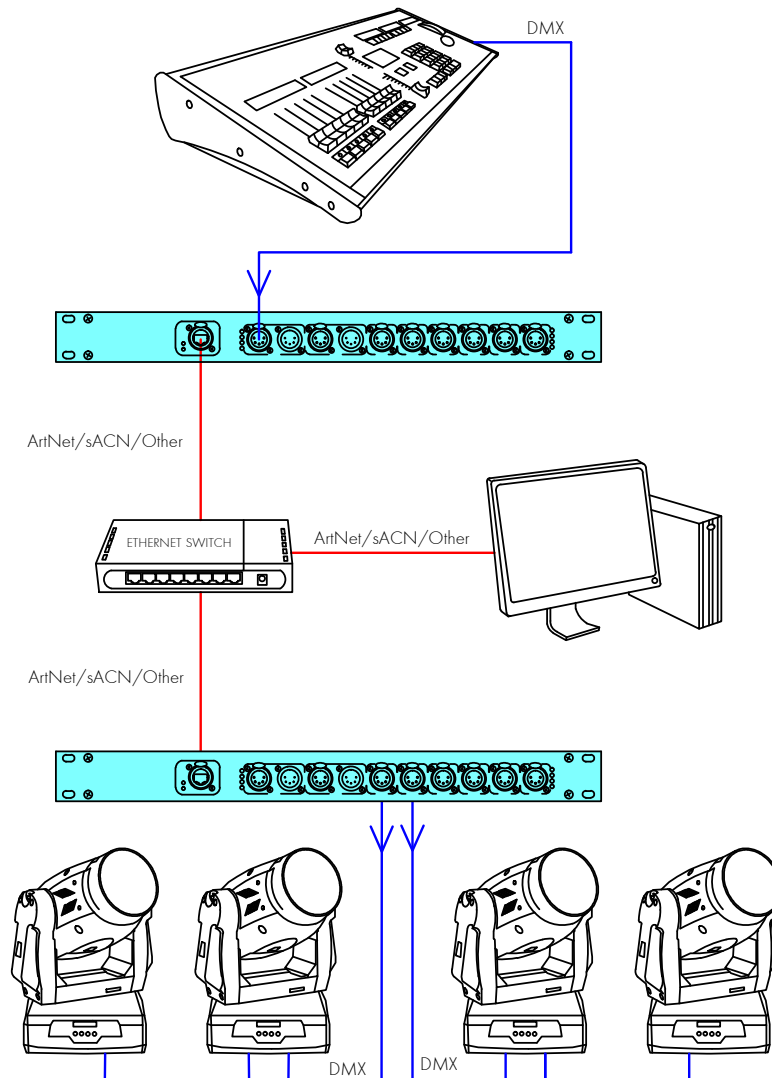
- ArtGate Pro
- User guide
- Power cable

Product Line

Name	Modification	Product code
ArtGate PRO	2 DMX inputs/outputs (3-pin), 1 Ethernet port	AGP-3-2DE
	2 DMX inputs/outputs (5-pin), 1 Ethernet port	AGP-5-2DE
	4 DMX inputs/outputs (3-pin), 1 Ethernet port	AGP-3-4DE
	4 DMX inputs/outputs (5-pin), 1 Ethernet port	AGP-5-4DE
	8 DMX inputs/outputs (3-pin), 1 Ethernet port	AGP-3-8DE
	8 DMX inputs/outputs (5-pin), 1 Ethernet port	AGP-5-8DE

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

Connection Scheme

DMX

ArtNet/sACN/Other

ETHERNET SWITCH

ArtNet/sACN/Other

ArtNet/sACN/Other

DMX   DMX

Accessories

Name	Product code
Truss mounting kit	MCA-1-TMK
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.