ArtGate Pro

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

ArtGate Pro merges up to 4 incoming ArtNet streams as well as any combination of ArtNet, sACN, or DMX streams to outputs for perfect show backup. Configuration is performed through web-interface or ArtGate Settings utility. Supplied in 4-port and 8-port modifications.

Advantages

4 or 8 DMX512 ports (incl. 2 paired M+F)

2 Ethernet ports (EtherCON) with switch functionality

PoE support

Maximum surge protection – power supply optimized for voltage from 90 to 315 V

Simple user-friendly web interface

Configurable DMX port direction and parametres

Smart DMX output feature

Supported network protocols: ArtNet I,II,III,4, sACN draft/release, KiNet v1,v2, RTTrPL

Full RDM E1.20 support (controller/responder)

Ability to work as standalone splitter/merger

Fastest recovery after short power failure

PowerCON TRUE1 inlet+outlet combination

Trigger inputs for external events and alarms

DHCP support

IP address conflict detection

DMX Bi-Direct	2 IP adresses per Device	User-Friendly Web-Interface	DMX Bi-Direct
Power over Ethernet	UltraStart	Galvanic Isolated Ports	Natural Heat Convection
Trigger Input			

Merging Options

HTP: highest takes precedence

LTP: latest takes precedence

AUTO: last modified takes precedence - intelligent merging mode

BACKUP: primary/secondary universe backup

PRIORITY: for sACN streams with priority tag

TRIGGER and X-FADE: dedicated channel / dedicated universe controllable merging

Application

Advanced DMX backup

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

SUNDRAX electronics

pro series

+ 44 (0) 208 991 33 19
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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: ~90-277 VAC, 50/60 Hz,
PoE 802.15f mode A, B
Input Power (max): 5 W

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: DMX512, RDM,
ArtNet I, II, III, IV, sACN draft, release,
KiNet v1, v2 , RTTrPL
DMX refresh rate: 44 Hz

Inputs / Outputs

DMX ports: 4 or 8 DMX512 ports
Connectors: 2x male XLRs + 4x or 8x female XLRs
(3- or 5-pin), 2 RJ45/EtherCon, terminal block

Configuration / Indication

Setup: web interface, ArtGate setup utility
Indication: LEDs for DMX and Ethernet activity

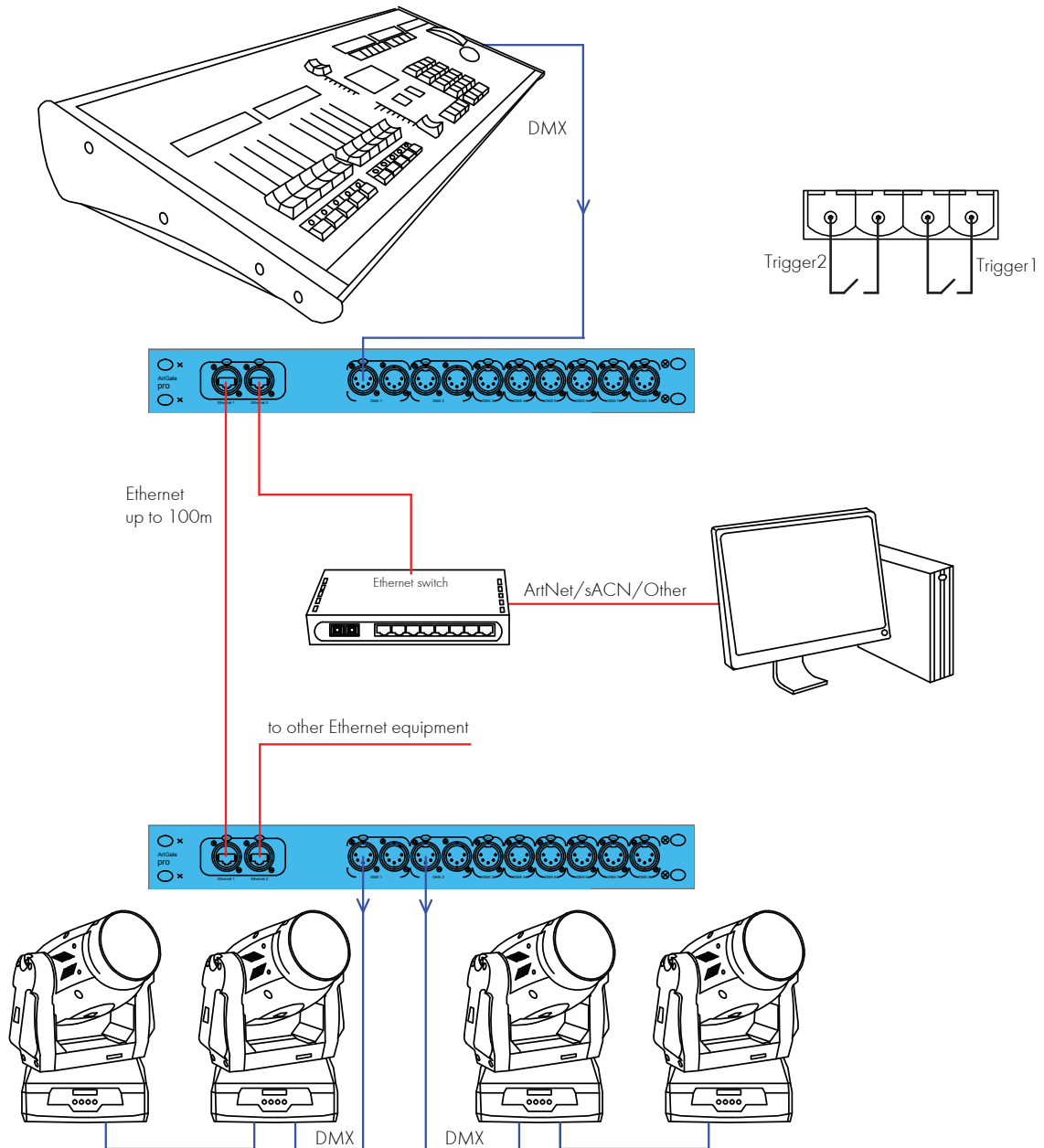## Package Contents

ArtGate Pro
Power cable

Product Line

Name	Modification	Product code
ArtGate PRO	4 or 8 DMX inputs / outputs (5-pin) , 2 Ethernet ports	AGP-5-8D2E
	4 or 8 DMX inputs / outputs (5-pin) , 2 Ethernet ports	AGP-5-4D2E
	4 or 8 DMX inputs / outputs (3-pin) , 2 Ethernet ports	AGP-3-8D2E
	4 or 8 DMX inputs / outputs (3-pin) , 2 Ethernet ports	AGP-3-4D2E

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Connection Scheme

DMX

Trigger2   Trigger1

Ethernet
up to 100m

Ethernet switch   ArtNet/sACN/Other

to other Ethernet equipment

DMX   DMX

Accessories

Name	Product code
Truss mounting kit (PRO)	DMX-MCA-1-TMK