ArtGate Arma

Waterproof bidirectional DMX<->ArtNet/sACN converter, splitter, booster, intelligent mergerover Powerline transceiver

Multifunctional waterproof converters perfect for outdoor use. Translate Ethernet protocols (ArtNet, sACN) into DMX to control more lighting fixtures through single Ethernet LAN 10/100Base-T link. Incredible amount of universes thanks to second Ethernet port adding cascading availability through integrated switch. All DMX ports may be used as inputs or outputs.

Compatible with any hardware and software supporting ArtNet and sACN protocols. Configuration through web-based management page and ArtGate Manager utility. Tough and compact waterproof metal enclosure (IP65) specifically crafted for outdoor use. ArtGates Arma may be powered through Ethernet (PoE).

Advantages

Minimum loading time, fastest recovery after short power failure

Master IP that never gets lost

Integrated Ethernet switch

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

Galvanic isolation

Simple user-friendly web interface

Configurable DMX port direction

DMX Bi-Direct	**Double IP**	Web Interface icon	**DMX RDM**
DMX Bi-Direct	2 IP addresses per Device	User-Friendly Web Interface	Supports RDM
PoE 802.15f	**ULTRA START**	Galvanically Isolated Ports	Natural Heat Convection
Power over Ethernet	UltraStart	Galvanically Isolated Ports	Natural Heat Convection
IP65			
Highest Ingress Protection			

Merging modes

HTP: highest takes precedence

LTP: latest takes precedence

AUTO: last modified takes precedence – smart merging mode

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

BACKUP: any network universe or local static scene can be selected for outputting when main source fails

TRIGGER and X-FADE: switch dynamically between lighting

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: solid case
Material: metal
Dimensions, mm: 171(D) x 55(H) x 121(W)
Mass: 0.85 kg
Mounting: surface, Truss

Power & Electrical

Power supply: ~90-250 VAC, 50/60 Hz; PoE
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): 100%
IP Rating: IP65 for outdoor use
Certification: CE, RoHS
Warranty: 36 month (Return to base)

Control / Data Connections

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

Inputs / Outputs

DMX ports: 2 or 4 isolated
DMX connectors: 15EDGVC terminal blocks
PoE port: 1
Ethernet port: 2 (10/100 Base-TX)
Ethernet connector: LSA-PLUS® connector

Configuration / Indication

Setup: web-interface
Indication: LEDs for DMX and Ethernet activity
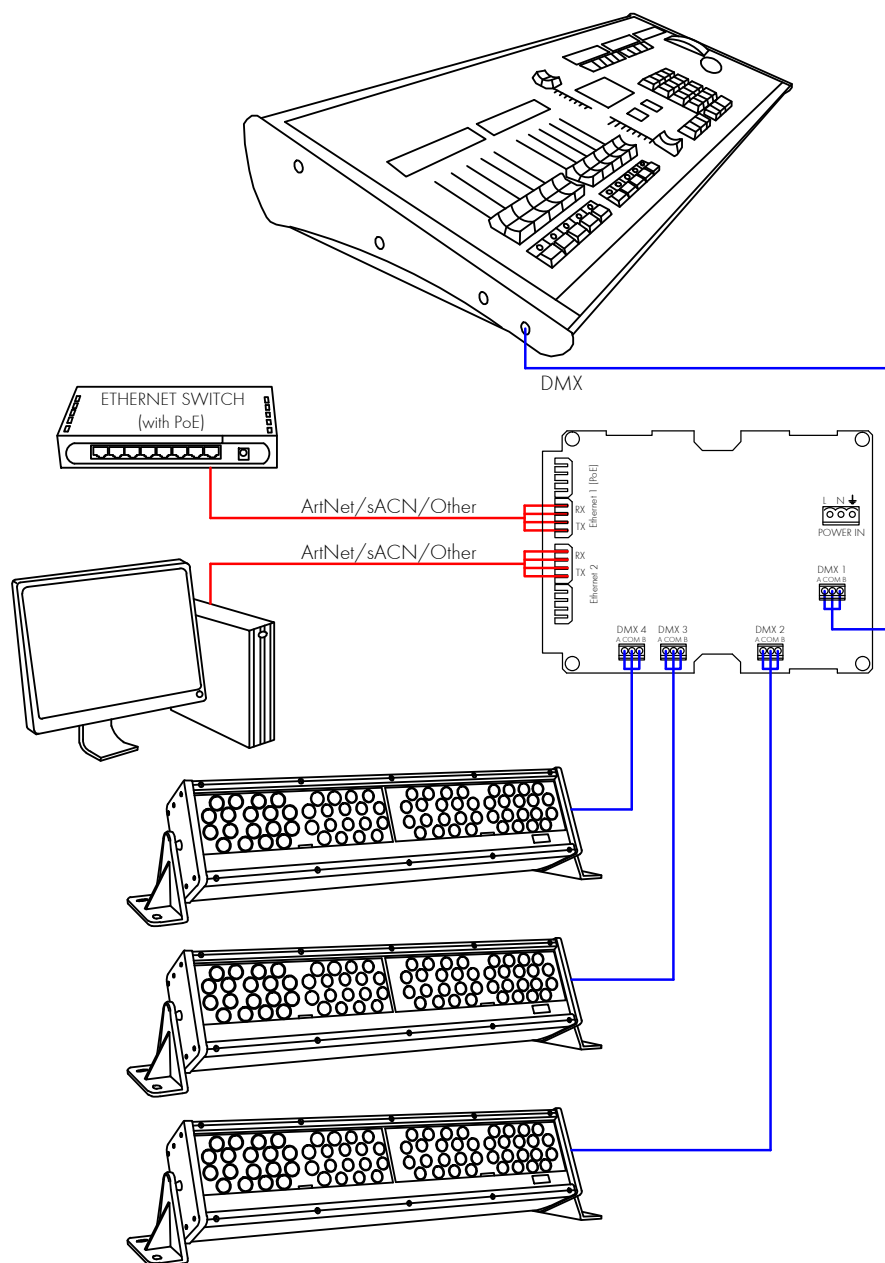
Package Contents

ArtGate Arma

Product Line

Name	Modification	Product code
ArtGate Arma	2 DMX inputs/outputs, 2 Ethernet ports	AGA-0-2D2E
	4 DMX inputs/outputs, 2 Ethernet ports	AGA-0-4D2E

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Version: 2.10
21 Jul 2020

Connection Scheme

ETHERNET SWITCH
(with PoE)

ArtNet/sACN/Other

ArtNet/sACN/Other

DMX

Accessories

Name	Product code
Truss mounting kit (Solid, Arma)	DMX-MCA-1-120
Surface mounting kit (Solid, Arma)	DMX-MCA-2-120

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