ArtGate Arma
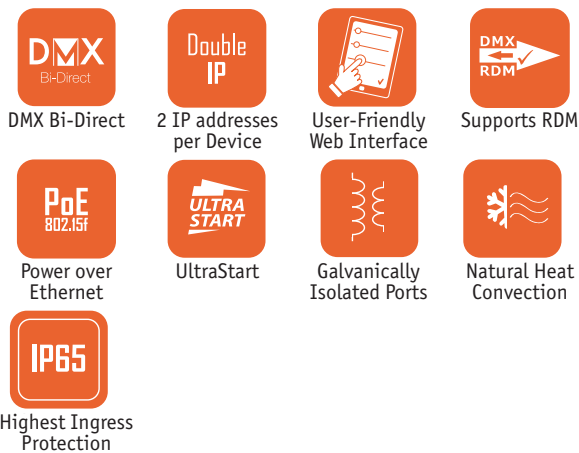
Waterproof bidirectional DMX<->ArtNet/sACN converter, splitter, booster, intelligent merger

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).

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

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

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

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Technical Specifications

Mechanical

- Housing: Solid case
- Material: Metal
- Dimensions, mm: 171(D) x 55(H) x 121(W)
- Mass: 1.2 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
- 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 connectors: LSA-PLUS® connector

Configuration / Indication

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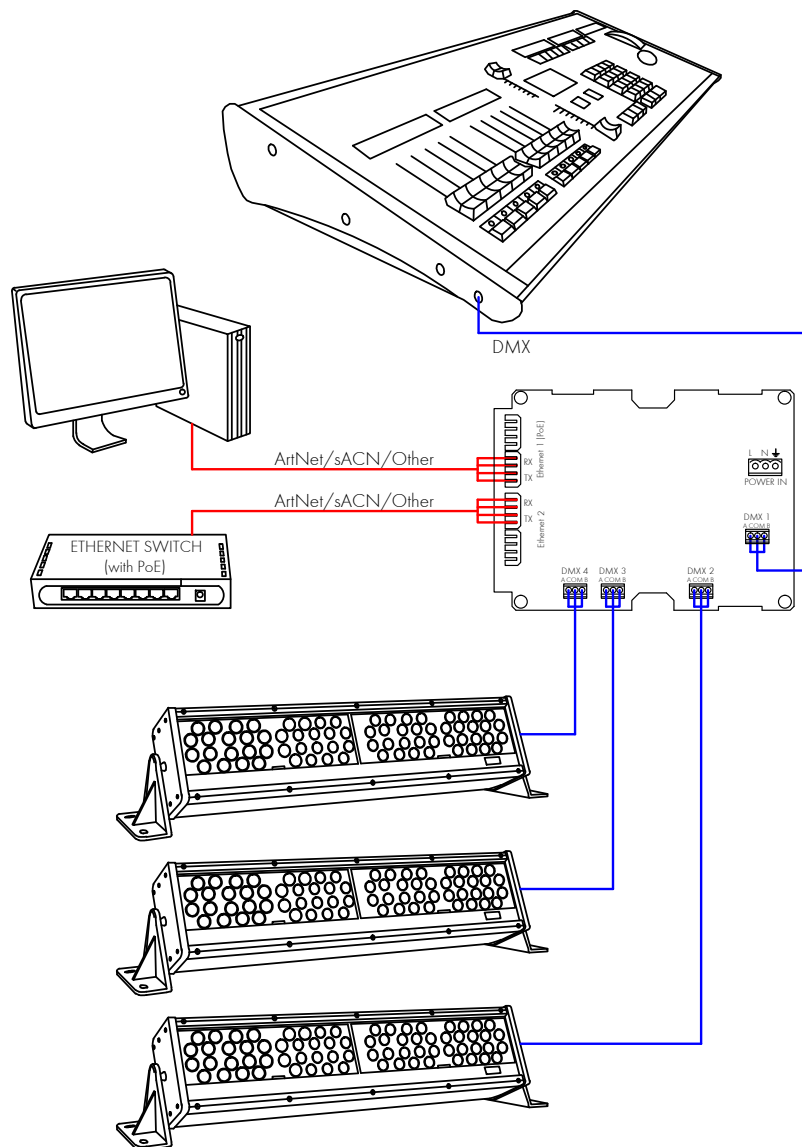
Package Contents

- ArtGate Arma
- User guide

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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Connection Scheme

Accessories

Name	Product code
Truss mounting kit	MCA-1-120
Surface mounting kit	MCA-2-120
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.