



PowerGate Arma

Waterproof DMX/ArtNet/sACN over Powerline transceiver

DMX transceivers employing existing powerlines (110V/220V) to transmit DMX signal using PWRDMX technology introduced by Sundrax in 2007. Perfect solution if new cabling or wireless transmission is hindered or impossible e.g. conversion to DMX lighting for historic facades, architectural monuments, landmarks, in-ground lighting.

Powergates support ArtNet and sACN input through single Ethernet LAN 10/100Base-T link and have up to 4 DMX outputs. DMX ports are configurable through web-based management page. All PowerGates may be configured as transmitters or receivers. Tough and compact waterproof metal enclosure (IP65) specifically crafted for outdoor use.



Advantages

- Use existing powerlines to transmit DMX streams
- Ethernet port for web configuration and ArtNet/sACN data transmission
- Minimum loading time, fastest recovery after short power failure
- Full protection from dust and smoke increases product lifetime
- Full galvanic isolation of all ports
- Simple user-friendly web interface
- High resistance to interference (IP65)
- Maximum surge protection (100-315 V)

Advantages

- 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



Supports RDM



UltraStart



Galvanically Isolated Ports



Natural Heat Convection



Highest Ingress Protection

Application

- Control DMX lights through existing powerline when new cabling or wireless transmission is hindered or impossible
- DMX/ArtNet/sACN transmission between indoor spaces when new cabling is impossible
- Outdoor installations when new cabling or wireless transmission is hindered or impossible
- Convert lighting of facades, architectural monuments, landmarks, or historic buildings to DMX when new cabling is impossible
- Convert in-ground lighting to DMX fixtures without new cabling

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Version: 4.01
19 Aug 2019

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: ~90-270 VAC, 50/60 Hz

Input Power (max): 5 W

Mains Fuse: 0.1 A

Environmental

Operating Temperature: -40...+70°C

Storage Temperature: -50...+80°C

Operating Relative Humidity (max): 100%

IP Rating: IP65

Certification: CE, RoHS

Warranty: 36 Month (Return to base)

Control / Data Connections

Supported protocols: DMX512, RDM, PWR DMX

DMX data refresh rate: 44 Hz

Ethernet connectors: LSA-PLUS® connector

Inputs / Outputs

DMX ports: 1 or 4 isolated

DMX connectors: Terminal blocks 15EDGVC

Ethernet port: 1 (10/100 Base-TX)

Ethernet connector: LSA-PLUS® connector

Configuration / Indication

Setup: web-interface

Indication: LEDs for DMX activity

Package Contents

PowerGate Arma

Product Line

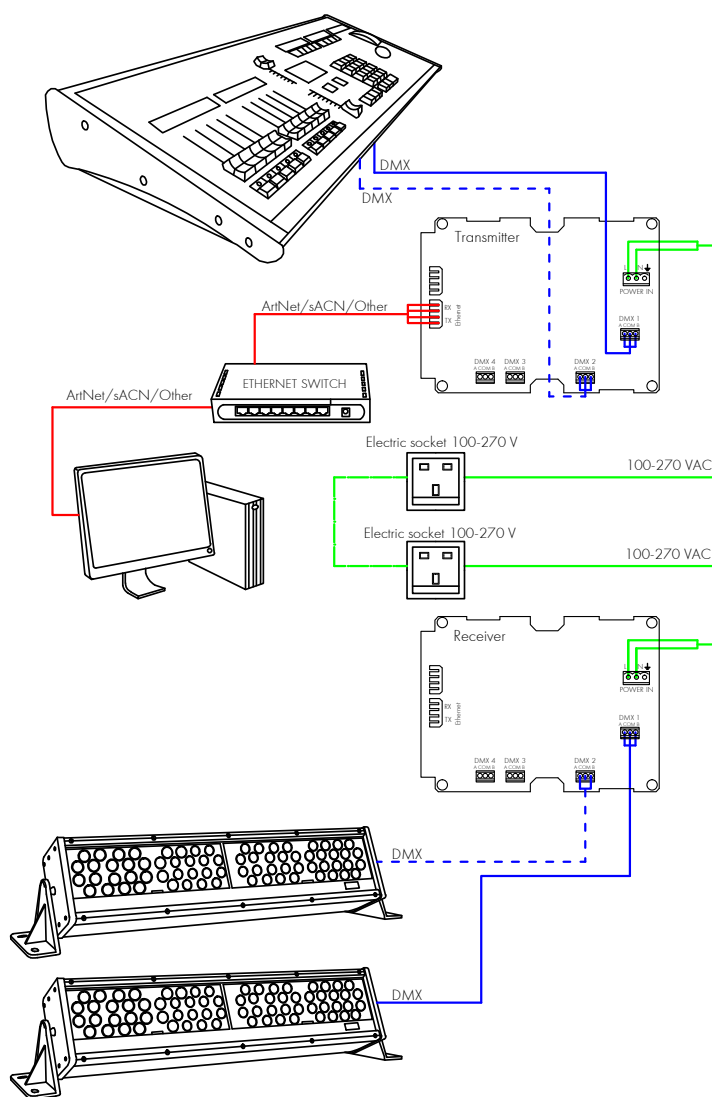
Name	Modification	Product code
PowerGate Arma	1 DMX input/output, Ethernet, AC 4 DMX inputs/outputs, Ethernet, AC	PGA-0-DE PGA-0-4DE

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Connection Scheme



Accessories

Name

Truss mounting kit (Solid, Arma)
Surface mounting kit (Solid, Arma)

Product code

DMX-MCA-1-120
DMX-MCA-2-120